@AIR TOXICS LTD.

AN ENVIRONMENTAL ANALYTICAL LABORATORY

COMPREHENSIVE VALIDATION PACKAGE

ATL Subcontract

INVENTORY SHEET

WORK ORDER # 0909375E/F

	Page Nos. From	Page Nos. To
1. Work Order Cover Page & Laboratory Narrative & Table	1	8
2. Sample Results and Raw Data (Organized By Sample)	9	19
a. ATL Sample Results Form		
b. Target Compound Raw Data		
-Internal Standard Area and Retention Time Summary (If Applicable)		
-Surrogate Recovery Summary (If Applicable)		
-Chromatogram(s) and Ion Profiles (If Applicable)		
3. QC Results and Raw Data		
a. Method Blank (Results + Raw Data)	-	-
b. Surrogate Recovery Summary Form (If Applicable)	-	-
c. Internal Standard Summary Form (If Applicable)	-	-
d. Duplicate Results Summary Sheet	-	-
e. Matrix Spike/Matrix Spike Duplicate (Results + Raw Data)	-	-
f. Initial Calibration Data (Summary Sheet + Raw Data)	-	-
g. MDL Study (If Applicable)	-	-
h. Continuing Calibration Verification Data	-	-
i. Second Source LCS (Summary + Raw Data)	-	-
j. Extraction Logs	-	-
k. Instrument Run Logs/Software Verification	-	-
l. GC/MS Tune (Results + Raw Data)	-	-
4. Shipping/Receiving Documents:		
a. Login Receipt Summary Sheet	20	22
b. Chain-of-Custody Records	23	26
c. Sample Log-In Sheet	27	32
d. Misc. Shipping/Receiving Records (list individual records)		
Sample Receipt Discrepancy Report	-	-
5. Other Records (describe or list)		
a. Manual Spectral Defense	-	-
b. Manual Intergrations	-	-
c. Manual Calculations	-	-
d. Canister Dilution Factors	-	-
e. Laboratory Corrective Action Request	-	-
f. CAS Number Reference	-	-
g. Variance Table	-	-
h. Canister Certification	-	-
i. Data Review Check Sheet	33	34

The APPL SubContract Level IV Data Package begins after ATL's CVP Page 34

Completed by:

Kara McKiernan	Kara McKiernan/ Document Control	10/20/09
(Signature)	(Print Name & Title)	(Date)

WORK ORDER #: 0909375E

Work Order Summary

CLIENT:	Mr. Taeko Minegishi Environmental Health & Engineering, Inc. 117 Fourth Avenue Needham, MA 02494	**BILL TO:**	Accounts Payable Environmental Health & Engineering, Inc. 117 Fourth Avenue Needham, MA 02494
PHONE:	800-825-5343	**P.O. #**	16512
FAX:	781-247-4305	**PROJECT #**	16512
DATE RECEIVED:	09/18/2009	**CONTACT:**	Ausha Scott
DATE COMPLETED:	10/17/2009		

FRACTION #	NAME	TEST
01A	102783	SubContract
02A	102784	SubContract
03A	102785	SubContract
04A	102786	SubContract
05A	102787	SubContract
06A	102788	SubContract
07A	105647	SubContract
08A	105648	SubContract
09A	105649	SubContract
10A	105650	SubContract
11A	105651	SubContract
12A	105652	SubContract
13A	102831	SubContract
14A	102832	SubContract
15A	102833	SubContract
16A	102834	SubContract
17A	102835	SubContract
18A	102836	SubContract

Continued on next page

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FRACTION #	NAME	TEST
19A	102837	SubContract
20A	104971	SubContract
21A	104972	SubContract
22A	104973	SubContract
23A	104974	SubContract
24A	104975	SubContract
25A	104976	SubContract
26A	104942	SubContract
27A	104943	SubContract
28A	104944	SubContract
29A	104945	SubContract
30A	104946	SubContract
31A	104947	SubContract
32A	102897	SubContract
33A	102898	SubContract
34A	102905	SubContract
35A	102909	SubContract
36A	102913	SubContract
37A	106259	SubContract
38A	106260	SubContract
39A	106270	SubContract

Continued on next page

Air Toxics LTD.
Laboratory Services Since 1989

WORK ORDER #: 0909375E

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DATE RECEIVED:	09/18/2009	**CONTACT:**	Ausha Scott
DATE COMPLETED:	10/17/2009		

FRACTION #	NAME	TEST
40A	106274	SubContract
41A	105060	SubContract
42A	105061	SubContract
43A	105062	SubContract
44A	105063	SubContract
45A	105064	SubContract
46A	105065	SubContract
47A	Method Blank	SubContract
47B	Method Blank	SubContract

CERTIFIED BY: Linda D. Truman

Laboratory Director

DATE: 10/17/09

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WORK ORDER #: 0909375F

Work Order Summary

CLIENT:	Mr. Taeko Minegishi Environmental Health & Engineering, Inc. 117 Fourth Avenue Needham, MA 02494	**BILL TO:**	Accounts Payable Environmental Health & Engineering, Inc. 117 Fourth Avenue Needham, MA 02494
PHONE:	800-825-5343	**P.O. #**	16512
FAX:	781-247-4305	**PROJECT #**	16512
DATE RECEIVED:	09/18/2009	**CONTACT:**	Ausha Scott
DATE COMPLETED:	10/17/2009		

FRACTION #	NAME	TEST
01A	102783	SubContract
02A	102784	SubContract
03A	102785	SubContract
04A	102786	SubContract
05A	102787	SubContract
06A	102788	SubContract
07A	105647	SubContract
08A	105648	SubContract
09A	105649	SubContract
10A	105650	SubContract
11A	105651	SubContract
12A	105652	SubContract
13A	102831	SubContract
14A	102832	SubContract
15A	102833	SubContract
16A	102834	SubContract
17A	102835	SubContract
18A	102836	SubContract

Continued on next page

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DATE RECEIVED:	09/18/2009	**CONTACT:**	Ausha Scott
DATE COMPLETED:	10/17/2009		

FRACTION #	NAME	TEST
19A	102837	SubContract
20A	104971	SubContract
21A	104972	SubContract
22A	104973	SubContract
23A	104974	SubContract
24A	104975	SubContract
25A	104976	SubContract
26A	104942	SubContract
27A	104943	SubContract
28A	104944	SubContract
29A	104945	SubContract
30A	104946	SubContract
31A	104947	SubContract
32A	102897	SubContract
33A	102898	SubContract
34A	102905	SubContract
35A	102909	SubContract
36A	102913	SubContract
37A	106259	SubContract
38A	106260	SubContract
39A	106270	SubContract

Continued on next page

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DATE RECEIVED:	09/18/2009	**CONTACT:**	Ausha Scott
DATE COMPLETED:	10/17/2009		

FRACTION #	NAME	TEST
40A	106274	SubContract
41A	105060	SubContract
42A	105061	SubContract
43A	105062	SubContract
44A	105063	SubContract
45A	105064	SubContract
46A	105065	SubContract
47A	Method Blank	SubContract
47B	Method Blank	SubContract

CERTIFIED BY: Linda S. Frumarn

Laboratory Director

DATE: 10/17/09

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LABORATORY NARRATIVE
ATL GC Application
Environmental Health & Engineering, Inc.
Workorder# 0909375E

Forty-six Radiello 166 (NO2) samples were received on September 18, 2009. The samples were subcontracted to APPL, Inc for analysis.

Receiving Notes

There were no receiving discrepancies.

Analytical Notes

The samples were subcontracted to APPL, Inc for analysis.

Definition of Data Qualifying Flags

Eight qualifiers may have been used on the data analysis sheets and indicate as follows:
B - Compound present in laboratory blank greater than reporting limit.
J - Estimated value.
E - Exceeds instrument calibration range.
S - Saturated peak.
Q - Exceeds quality control limits.
U - Compound analyzed for but not detected above the detection limit.
M - Reported value may be biased due to apparent matrix interferences.
N - The identification is based on presumptive evidence.

File extensions may have been used on the data analysis sheets and indicates as follows:
a-File was requantified
b-File was quantified by a second column and detector
r1-File was requantified for the purpose of reissue

LABORATORY NARRATIVE
ATL GC Application
Environmental Health & Engineering, Inc.
Workorder# 0909375F

Forty-six Radiello 166 samples were received on September 18, 2009. The samples were subcontracted to APPL, Inc for analysis.

Receiving Notes

There were no receiving discrepancies.

Analytical Notes

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Definition of Data Qualifying Flags

Eight qualifiers may have been used on the data analysis sheets and indicate as follows:
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Q - Exceeds quality control limits.
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Sample Results and Raw Data

AIR TOXICS LTD.

Radiello analysis by EPA 300.0 (Sulfur Dioxide)*

Spectrophotometer

Field Sample I.D.	Lab Sample I.D.	Collection Date	Analysis Date	Dilution Factor	Reporting. Limit (ug)	Reporting. Limit (ug/m3)	Amount (ug)	Amount (ug/m3)
102783	0909375E-01A	9/16/2009	9/24/2009	1.00	17	7.5	ND	ND
102784	0909375E-02A	9/16/2009	9/24/2009	1.00	17	7.5	ND	ND
102785	0909375E-03A	9/16/2009	9/24/2009	1.00	17	7.5	ND	ND
102786	0909375E-04A	9/16/2009	9/24/2009	1.00	17	7.5	ND	ND
102787	0909375E-05A	9/16/2009	9/24/2009	1.00	17	7.5	ND	ND
102788	0909375E-06A	NA	9/24/2009	1.00	17	7.0	ND	ND
105647	0909375E-07A	9/16/2009	9/24/2009	1.00	17	7.5	ND	ND
105648	0909375E-08A	9/16/2009	9/24/2009	1.00	17	7.5	ND	ND
105649	0909375E-09A	9/16/2009	9/24/2009	1.00	17	7.5	ND	ND
105650	0909375E-10A	9/16/2009	9/24/2009	1.00	17	7.5	ND	ND
105651	0909375E-11A	9/16/2009	9/25/2009	1.00	17	7.5	ND	ND
105652	0909375E-12A	NA	9/25/2009	1.00	17	7.0	ND	ND
102831	0909375E-13A	9/15/2009	9/25/2009	1.00	17	7.5	ND	ND
102832	0909375E-14A	9/15/2009	9/25/2009	1.00	17	7.5	ND	ND
102833	0909375E-15A	9/15/2009	9/25/2009	1.00	17	7.5	ND	ND
102834	0909375E-16A	9/15/2009	9/25/2009	1.00	17	7.5	ND	ND
102835	0909375E-17A	9/15/2009	9/25/2009	1.00	17	7.5	ND	ND
102836	0909375E-18A	NA	9/25/2009	1.00	17	7.0	ND	ND
102837	0909375E-19A	NA	9/25/2009	1.00	17	7.0	ND	ND
104971	0909375E-20A	NA	9/25/2009	1.00	17	7.0	ND	ND

*Sulfate/Sulfite analysis performed by subcontracted laboratory.

COMMENTS: 1. NA=Not Applicable
2. ND=Not Detected
3. Exposure time of 20160 minutes was assumed for the QC samples.
4. Background subtraction not performed.

0010

AIR TOXICS LTD.

Radiello analysis by EPA 300.0 (Sulfur Dioxide)*

Spectrophotometer

Field Sample I.D.	Lab Sample I.D.	Collection Date	Analysis Date	Dilution Factor	Reporting. Limit (ug)	Reporting. Limit (ug/m3)	Amount (ug)	Amount (ug/m3)
104972	0909375E-21A	9/16/2009	9/29/2009	1.00	17	7.0	ND	ND
104973	0909375E-22A	9/16/2009	9/29/2009	1.00	17	7.0	ND	ND
104974	0909375E-23A	9/16/2009	9/29/2009	1.00	17	7.0	ND	ND
104975	0909375E-24A	9/16/2009	9/29/2009	1.00	17	7.0	ND	ND
104976	0909375E-25A	9/16/2009	9/29/2009	1.00	17	7.0	ND	ND
104942	0909375E-26A	9/15/2009	9/29/2009	1.00	17	7.5	ND	ND
104943	0909375E-27A	9/15/2009	9/29/2009	1.00	17	7.5	ND	ND
104944	0909375E-28A	9/15/2009	9/29/2009	1.00	17	7.5	ND	ND
104945	0909375E-29A	NA	9/29/2009	1.00	17	7.0	ND	ND
104946	0909375E-30A	9/15/2009	9/29/2009	1.00	17	7.5	ND	ND
104947	0909375E-31A	9/15/2009	9/29/2009	1.00	17	7.5	ND	ND
102897	0909375E-32A	9/15/2009	9/29/2009	1.00	17	7.5	ND	ND
102898	0909375E-33A	9/15/2009	9/29/2009	1.00	17	7.5	ND	ND
102905	0909375E-34A	9/15/2009	9/30/2009	1.00	17	7.5	ND	ND
102909	0909375E-35A	9/15/2009	9/30/2009	1.00	17	7.5	ND	ND
102913	0909375E-36A	9/15/2009	9/30/2009	1.00	17	7.5	ND	ND
106259	0909375E-37A	9/15/2009	9/30/2009	1.00	17	7.5	ND	ND
106260	0909375E-38A	9/15/2009	10/1/2009	1.00	17	7.5	ND	ND
106270	0909375E-39A	9/15/2009	10/1/2009	1.00	17	7.5	ND	ND
106274	0909375E-40A	9/15/2009	10/1/2009	1.00	17	7.5	ND	ND

*Sulfate/Sulfite analysis performed by subcontracted laboratory.

COMMENTS: 1. NA=Not Applicable
2. ND=Not Detected
3. Exposure time of 20160 minutes was assumed for the QC samples.
4. Background subtraction not performed.

0011

AIR TOXICS LTD.

Radiello analysis by EPA 300.0 (Sulfur Dioxide)*

Spectrophotometer

0012

Field Sample I.D.	Lab Sample I.D.	Collection Date	Analysis Date	Dilution Factor	Reporting. Limit (ug)	Reporting. Limit (ug/m3)	Amount (ug)	Amount (ug/m3)
105060	0909375E-41A	9/17/2009	10/1/2009	1.00	17	7.0	ND	ND
105061	0909375E-42A	9/17/2009	10/1/2009	1.00	17	7.0	ND	ND
105062	0909375E-43A	9/17/2009	10/1/2009	1.00	17	7.0	ND	ND
105063	0909375E-44A	9/17/2009	10/1/2009	1.00	17	7.0	ND	ND
105064	0909375E-45A	9/17/2009	10/1/2009	1.00	17	7.0	ND	ND
105065	0909375E-46A	NA	10/1/2009	1.00	17	7.0	ND	ND
Method Blank	0909375E-47A	NA	10/1/2009	1.00	17	7.0	ND	ND
Method Blank	0909375E-47B	NA	10/1/2009	1.00	17	7.0	ND	ND

*Sulfate/Sulfite analysis performed by subcontracted laboratory.

COMMENTS: 1. NA=Not Applicable
2. ND=Not Detected
3. Exposure time of 20160 minutes was assumed for the QC samples.
4. Background subtraction not performed.

Sulfur Dioxide Radiello Calculation Worksheet

				MW	
Workorder #:	0909375E		Sulfate = SO_4^{-2}	96.062	To convert SO_3^{-2} to SO_4^{-2} multiply by molar mass ratio
Sampling Rate (ng/(ppb*min))	0.466	Typically 0.466 for SO2	Sulfite = SO_3^{-2}	80.063	Sulfate/sulfite = 96.062/80.063 = 1.2
Sampling T (deg C)	25	Typically 25			Total Conc SO_4^{-2} (mg/L) x Initial Vol (mL) x 1000ug x 1L
Volume (mL)	5	Typically 5 for SO2			1mgx1000mL
Date of Analysis:	9/24/2009	8/27/2009	8/28/2009		

Corrected Q 0.466 Q the same for SO2 from -10 to 40 degrees C

Conc SO_4^{-2} (mg/L) + (Conc SO_3^{-2} (mg/L)*1.2)

LabSampleID	Client	Date of Collection	Conc Sulfate (SO_4^{-2}) (mg/L)	Conc Sulfite (SO_3^{-2}) (mg/L)	RL Sulfite/Sulfate (mg/L)	DF	Duration (min)	Total Conc SO_4^{-2} (mg/L)	Conc SO_4^{-2} (uG)
01A	102783	9/16/2009	Not Detected	Not Detected	5.000	1.00	18720	Not Detected	Not Detected
02A	102784	9/16/2009	Not Detected	Not Detected	5.000	1.00	18720	Not Detected	Not Detected
03A	102785	9/16/2009	Not Detected	Not Detected	5.000	1.00	18720	Not Detected	Not Detected
04A	102786	9/16/2009	Not Detected	Not Detected	5.000	1.00	18720	Not Detected	Not Detected
05A	102787	9/16/2009	Not Detected	Not Detected	5.000	1.00	18720	Not Detected	Not Detected
06A	102788	NA	Not Detected	Not Detected	5.000	1.00	20160	Not Detected	Not Detected
07A	105647	9/16/2009	Not Detected	Not Detected	5.000	1.00	18720	Not Detected	Not Detected
08A	105648	9/16/2009	Not Detected	Not Detected	5.000	1.00	18720	Not Detected	Not Detected
09A	105649	9/16/2009	Not Detected	Not Detected	5.000	1.00	18720	Not Detected	Not Detected
10A	105650	9/16/2009	Not Detected	Not Detected	5.000	1.00	18720	Not Detected	Not Detected
11A	105651	9/16/2009	Not Detected	Not Detected	5.000	1.00	18720	Not Detected	Not Detected
12A	105652	NA	Not Detected	Not Detected	5.000	1.00	20160	Not Detected	Not Detected
13A	102831	9/15/2009	Not Detected	Not Detected	5.000	1.00	18720	Not Detected	Not Detected
14A	102832	9/15/2009	Not Detected	Not Detected	5.000	1.00	18720	Not Detected	Not Detected
15A	102833	9/15/2009	Not Detected	Not Detected	5.000	1.00	18720	Not Detected	Not Detected
16A	102834	9/15/2009	Not Detected	Not Detected	5.000	1.00	18720	Not Detected	Not Detected
17A	102835	9/15/2009	Not Detected	Not Detected	5.000	1.00	18720	Not Detected	Not Detected
18A	102836	NA	Not Detected	Not Detected	5.000	1.00	20160	Not Detected	Not Detected
19A	102837	NA	Not Detected	Not Detected	5.000	1.00	20160	Not Detected	Not Detected
20A	104971	NA	Not Detected	Not Detected	5.000	1.00	20160	Not Detected	Not Detected
21A	104972	9/16/2009	Not Detected	Not Detected	5.000	1.00	20160	Not Detected	Not Detected
22A	104973	9/16/2009	Not Detected	Not Detected	5.000	1.00	20160	Not Detected	Not Detected
23A	104974	9/16/2009	Not Detected	Not Detected	5.000	1.00	20160	Not Detected	Not Detected
24A	104975	9/16/2009	Not Detected	Not Detected	5.000	1.00	20160	Not Detected	Not Detected
25A	104976	9/16/2009	Not Detected	Not Detected	5.000	1.00	20160	Not Detected	Not Detected
26A	104942	9/15/2009	Not Detected	Not Detected	5.000	1.00	18720	Not Detected	Not Detected
27A	104943	9/15/2009	Not Detected	Not Detected	5.000	1.00	18720	Not Detected	Not Detected
28A	104944	9/15/2009	Not Detected	Not Detected	5.000	1.00	18720	Not Detected	Not Detected
29A	104945	NA	Not Detected	Not Detected	5.000	1.00	20160	Not Detected	Not Detected
30A	104946	9/15/2009	Not Detected	Not Detected	5.000	1.00	18720	Not Detected	Not Detected
31A	104947	9/15/2009	Not Detected	Not Detected	5.000	1.00	18720	Not Detected	Not Detected
32A	102897	9/15/2009	Not Detected	Not Detected	5.000	1.00	18720	Not Detected	Not Detected
33A	102898	9/15/2009	Not Detected	Not Detected	5.000	1.00	18720	Not Detected	Not Detected
34A	102905	9/15/2009	Not Detected	Not Detected	5.000	1.00	18720	Not Detected	Not Detected
35A	102909	9/15/2009	Not Detected	Not Detected	5.000	1.00	18720	Not Detected	Not Detected
36A	102913	9/15/2009	Not Detected	Not Detected	5.000	1.00	18720	Not Detected	Not Detected
37A	106259	9/15/2009	Not Detected	Not Detected	5.000	1.00	18720	Not Detected	Not Detected
38A	106260	9/15/2009	Not Detected	Not Detected	5.000	1.00	18720	Not Detected	Not Detected
39A	106270	9/15/2009	Not Detected	Not Detected	5.000	1.00	18720	Not Detected	Not Detected
40A	106274	9/15/2009	Not Detected	Not Detected	5.000	1.00	18720	Not Detected	Not Detected
41A	105060	9/17/2009	Not Detected	Not Detected	5.000	1.00	20160	Not Detected	Not Detected
42A	105061	9/17/2009	Not Detected	Not Detected	5.000	1.00	20160	Not Detected	Not Detected
43A	105062	9/17/2009	Not Detected	Not Detected	5.000	1.00	20160	Not Detected	Not Detected
44A	105063	9/17/2009	Not Detected	Not Detected	5.000	1.00	20160	Not Detected	Not Detected
45A	105064	9/17/2009	Not Detected	Not Detected	5.000	1.00	20160	Not Detected	Not Detected
46A	105065	NA	Not Detected	Not Detected	5.000	1.00	20160	Not Detected	Not Detected
47A	**Method Blank**	NA	Not Detected	Not Detected	5.000	1.00	20160	Not Detected	Not Detected
47B	**Method Blank**	NA	Not Detected	Not Detected	5.000	1.00	20160	Not Detected	Not Detected

CCV%R:

QC Duration 20160

Created by AW, Verified by HH on 9/24/09

0013

Conc SO_4^{-2} (ug) * MW SO_2 (64.06) / MW SO_4^{-2} (96.06)	Conc SO4-2(ug) *1000ng / Q x Duration*1ug	ppb SO2 * mw (64.06) / 24.45	RL SO_4^{-2} (mg/L) x Initial Vol (mL) x 1000ug x 1L / 1mgx1000mL	RL SO_4^{-2} (ug) * MW SO2 (64.06) / MW SO_4^{-2} (96.06)	RL SO_4^{-2}(ug) *1000ng / Q x Duration*1ug	ppb SO_2 * mw (64.06) / 24.45			
Conc SO_2 (uG)	Conc SO_2 (ppb)	Conc SO_2 (ug/m3)	RL SO_4^{-2} (ug)	RL SO_2 (uG)	RL SO_2 (ppb)	RL SO_2 (ug/m3)	Result SO_2 (ug)	Result SO_2(ug/m3)	%Rec
ND	ND	ND	25.000	16.67187175	2.866	7.509	ND	ND	
ND	ND	ND	25.000	16.67187175	2.866	7.509	ND	ND	
ND	ND	ND	25.000	16.67187175	2.866	7.509	ND	ND	
ND	ND	ND	25.000	16.67187175	2.866	7.509	ND	ND	
ND	ND	ND	25.000	16.67187175	2.866	7.509	ND	ND	
ND	ND	ND	25.000	16.67187175	2.661	6.972	ND	ND	
ND	ND	ND	25.000	16.67187175	2.866	7.509	ND	ND	
ND	ND	ND	25.000	16.67187175	2.866	7.509	ND	ND	
ND	ND	ND	25.000	16.67187175	2.866	7.509	ND	ND	
ND	ND	ND	25.000	16.67187175	2.866	7.509	ND	ND	
ND	ND	ND	25.000	16.67187175	2.866	7.509	ND	ND	
ND	ND	ND	25.000	16.67187175	2.661	6.972	ND	ND	
ND	ND	ND	25.000	16.67187175	2.866	7.509	ND	ND	
ND	ND	ND	25.000	16.67187175	2.866	7.509	ND	ND	
ND	ND	ND	25.000	16.67187175	2.866	7.509	ND	ND	
ND	ND	ND	25.000	16.67187175	2.866	7.509	ND	ND	
ND	ND	ND	25.000	16.67187175	2.866	7.509	ND	ND	
ND	ND	ND	25.000	16.67187175	2.661	6.972	ND	ND	
ND	ND	ND	25.000	16.67187175	2.661	6.972	ND	ND	
ND	ND	ND	25.000	16.67187175	2.661	6.972	ND	ND	
ND	ND	ND	25.000	16.67187175	2.661	6.972	ND	ND	
ND	ND	ND	25.000	16.67187175	2.661	6.972	ND	ND	
ND	ND	ND	25.000	16.67187175	2.661	6.972	ND	ND	
ND	ND	ND	25.000	16.67187175	2.661	6.972	ND	ND	
ND	ND	ND	25.000	16.67187175	2.661	6.972	ND	ND	
ND	ND	ND	25.000	16.67187175	2.866	7.509	ND	ND	
ND	ND	ND	25.000	16.67187175	2.866	7.509	ND	ND	
ND	ND	ND	25.000	16.67187175	2.866	7.509	ND	ND	
ND	ND	ND	25.000	16.67187175	2.661	6.972	ND	ND	
ND	ND	ND	25.000	16.67187175	2.866	7.509	ND	ND	
ND	ND	ND	25.000	16.67187175	2.866	7.509	ND	ND	
ND	ND	ND	25.000	16.67187175	2.866	7.509	ND	ND	
ND	ND	ND	25.000	16.67187175	2.866	7.509	ND	ND	
ND	ND	ND	25.000	16.67187175	2.866	7.509	ND	ND	
ND	ND	ND	25.000	16.67187175	2.866	7.509	ND	ND	
ND	ND	ND	25.000	16.67187175	2.866	7.509	ND	ND	
ND	ND	ND	25.000	16.67187175	2.866	7.509	ND	ND	
ND	ND	ND	25.000	16.67187175	2.866	7.509	ND	ND	
ND	ND	ND	25.000	16.67187175	2.866	7.509	ND	ND	
ND	ND	ND	25.000	16.67187175	2.866	7.509	ND	ND	
ND	ND	ND	25.000	16.67187175	2.661	6.972	ND	ND	
ND	ND	ND	25.000	16.67187175	2.661	6.972	ND	ND	
ND	ND	ND	25.000	16.67187175	2.661	6.972	ND	ND	
ND	ND	ND	25.000	16.67187175	2.661	6.972	ND	ND	
ND	ND	ND	25.000	16.67187175	2.661	6.972	ND	ND	
ND	ND	ND	25.000	16.67187175	2.661	6.972	ND	ND	
ND	ND	ND	25.000	16.67187175	2.661	6.972	ND	ND	
ND	ND	ND	25.000	16.67187175	2.661	6.972	ND	ND	
0	#DIV/0!	#DIV/0!	0.000	0	#DIV/0!	#DIV/0!	0	#DIV/0!	%Rec
0	#DIV/0!	#DIV/0!	0.000	0	#DIV/0!	#DIV/0!	0	#DIV/0!	0

AIR TOXICS LTD.

Radiello analysis by EPA 300.0 (Hydrofluoric Acid)*

Spectrophotometer

Field Sample I.D.	Lab Sample I.D.	Collection Date	Analysis Date	Dilution Factor	Reporting. Limit (ug)	Reporting. Limit (ug/m3)	Amount (ug)	Amount (ug/m3)
102783	0909375F-01A	9/16/2009	9/24/2009	1.00	5.3	1.5	ND	ND
102784	0909375F-02A	9/16/2009	9/24/2009	1.00	5.3	1.5	ND	ND
102785	0909375F-03A	9/16/2009	9/24/2009	1.00	5.3	1.5	ND	ND
102786	0909375F-04A	9/16/2009	9/24/2009	1.00	5.3	1.5	ND	ND
102787	0909375F-05A	9/16/2009	9/24/2009	1.00	5.3	1.5	ND	ND
102788	0909375F-06A	NA	9/24/2009	1.00	5.3	1.4	ND	ND
105647	0909375F-07A	9/16/2009	9/24/2009	1.00	5.3	1.5	ND	ND
105648	0909375F-08A	9/16/2009	9/24/2009	1.00	5.3	1.5	ND	ND
105649	0909375F-09A	9/16/2009	9/24/2009	1.00	5.3	1.5	ND	ND
105650	0909375F-10A	9/16/2009	9/24/2009	1.00	5.3	1.5	ND	ND
105651	0909375F-11A	9/16/2009	9/25/2009	1.00	5.3	1.5	ND	ND
105652	0909375F-12A	NA	9/25/2009	1.00	5.3	1.4	ND	ND
102831	0909375F-13A	9/15/2009	9/25/2009	1.00	5.3	1.5	ND	ND
102832	0909375F-14A	9/15/2009	9/25/2009	1.00	5.3	1.5	ND	ND
102833	0909375F-15A	9/15/2009	9/25/2009	1.00	5.3	1.5	ND	ND
102834	0909375F-16A	9/15/2009	9/25/2009	1.00	5.3	1.5	ND	ND
102835	0909375F-17A	9/15/2009	9/25/2009	1.00	5.3	1.5	ND	ND
102836	0909375F-18A	NA	9/25/2009	1.00	5.3	1.4	ND	ND
102837	0909375F-19A	NA	9/25/2009	1.00	5.3	1.4	ND	ND
104971	0909375F-20A	NA	9/25/2009	1.00	5.3	1.4	ND	ND

*Fluoride analysis performed by subcontracted laboratory.

COMMENTS: 1. NA=Not Applicable
2. ND=Not Detected
3. Exposure time of 20160 minutes was assumed for the QC samples.
4. Background subtraction not performed.

AIR TOXICS LTD.

Radiello analysis by EPA 300.0 (Hydrofluoric Acid)*

Spectrophotometer

Field Sample I.D.	Lab Sample I.D.	Collection Date	Analysis Date	Dilution Factor	Reporting. Limit (ug)	Reporting. Limit (ug/m3)	Amount (ug)	Amount (ug/m3)
104972	0909375F-21A	9/16/2009	9/29/2009	1.00	5.3	1.4	ND	ND
104973	0909375F-22A	9/16/2009	9/29/2009	1.00	5.3	1.4	ND	ND
104974	0909375F-23A	9/16/2009	9/29/2009	1.00	5.3	1.4	ND	ND
104975	0909375F-24A	9/16/2009	9/29/2009	1.00	5.3	1.4	ND	ND
104976	0909375F-25A	9/16/2009	9/29/2009	1.00	5.3	1.4	ND	ND
104942	0909375F-26A	9/15/2009	9/29/2009	1.00	5.3	1.5	ND	ND
104943	0909375F-27A	9/15/2009	9/29/2009	1.00	5.3	1.5	ND	ND
104944	0909375F-28A	9/15/2009	9/29/2009	1.00	5.3	1.5	ND	ND
104945	0909375F-29A	NA	9/29/2009	1.00	5.3	1.4	ND	ND
104946	0909375F-30A	9/15/2009	9/29/2009	1.00	5.3	1.5	ND	ND
104947	0909375F-31A	9/15/2009	9/29/2009	1.00	5.3	1.5	ND	ND
102897	0909375F-32A	9/15/2009	9/29/2009	1.00	5.3	1.5	ND	ND
102898	0909375F-33A	9/15/2009	9/29/2009	1.00	5.3	1.5	ND	ND
102905	0909375F-34A	9/15/2009	9/30/2009	1.00	5.3	1.5	ND	ND
102909	0909375F-35A	9/15/2009	9/30/2009	1.00	5.3	1.5	ND	ND
102913	0909375F-36A	9/15/2009	9/30/2009	1.00	5.3	1.5	ND	ND
106259	0909375F-37A	9/15/2009	9/30/2009	1.00	5.3	1.5	ND	ND
106260	0909375F-38A	9/15/2009	10/1/2009	1.00	5.3	1.5	ND	ND
106270	0909375F-39A	9/15/2009	10/1/2009	1.00	5.3	1.5	ND	ND
106274	0909375F-40A	9/15/2009	10/1/2009	1.00	5.3	1.5	ND	ND

*Fluoride analysis performed by subcontracted laboratory.

COMMENTS: 1. NA=Not Applicable
2. ND=Not Detected
3. Exposure time of 20160 minutes was assumed for the QC samples.
4. Background subtraction not performed.

AIR TOXICS LTD.

Radiello analysis by EPA 300.0 (Hydrofluoric Acid)*

Spectrophotometer

Field Sample I.D.	Lab Sample I.D.	Collection Date	Analysis Date	Dilution Factor	Reporting. Limit (ug)	Reporting. Limit (ug/m3)	Amount (ug)	Amount (ug/m3)
105060	0909375F-41A	9/17/2009	10/1/2009	1.00	5.3	1.4	ND	ND
105061	0909375F-42A	9/17/2009	10/1/2009	1.00	5.3	1.4	ND	ND
105062	0909375F-43A	9/17/2009	10/1/2009	1.00	5.3	1.4	ND	ND
105063	0909375F-44A	9/17/2009	10/1/2009	1.00	5.3	1.4	ND	ND
105064	0909375F-45A	9/17/2009	10/1/2009	1.00	5.3	1.4	ND	ND
105065	0909375F-46A	NA	10/1/2009	1.00	5.3	1.4	ND	ND
Method Blank	0909375F-47A	NA	10/1/2009	1.00	5.3	1.4	ND	ND
Method Blank	0909375F-47B	NA	10/1/2009	1.00	5.3	1.4	ND	ND

*Fluoride analysis performed by subcontracted laboratory.

COMMENTS: 1. NA=Not Applicable
2. ND=Not Detected
3. Exposure time of 20160 minutes was assumed for the QC samples.
4. Background subtraction not performed.

Hydrofluoric Acid Radiello Calculation Worksheet

Workorder #:	0909375F								1.053 = Factor from F- to HF	1.053 = Factor from F- to HF
Sampling Rate (ml/min)	187	Typically 187 for HF								
Sampling T (deg C)	25	Typically 25					Conc (mg/L) x Initial Vol (mL) x 1000ug x 1L		Conc F- (ug)*1.053	Conc (ug) x 1.053 x 1000000
Initial Volume (mL)	5	Typically 5 for HF					1mgx1000mL			Q x Duration (min)
Date of Analysis:	9/24/2009									
Corrected Q	187	No calc for temp correction								
LabSampleID	**Client**	**Date of Collection**	**Conc F- (mg/L)**	**RL F- (mg/L)**	**DF**	**Duration (min)**	**Conc F- (ug)**		**Conc HF (ug)**	**Conc HF (ug/m3)**
01A	102783	9/16/2009	ND	1.000	1.00	18720	ND		ND	ND
02A	102784	9/16/2009	ND	1.000	1.00	18720	ND		ND	ND
03A	102785	9/16/2009	ND	1.000	1.00	18720	ND		ND	ND
04A	102786	9/16/2009	ND	1.000	1.00	18720	ND		ND	ND
05A	102787	9/16/2009	ND	1.000	1.00	18720	ND		ND	ND
06A	102788	NA	ND	1.000	1.00	20160	ND		ND	ND
07A	105647	9/16/2009	ND	1.000	1.00	18720	ND		ND	ND
08A	105648	9/16/2009	ND	1.000	1.00	18720	ND		ND	ND
09A	105649	9/16/2009	ND	1.000	1.00	18720	ND		ND	ND
10A	105650	9/16/2009	ND	1.000	1.00	18720	ND		ND	ND
11A	105651	9/16/2009	ND	1.000	1.00	18720	ND		ND	ND
12A	105652	NA	ND	1.000	1.00	20160	ND		ND	ND
13A	102831	9/15/2009	ND	1.000	1.00	18720	ND		ND	ND
14A	102832	9/15/2009	ND	1.000	1.00	18720	ND		ND	ND
15A	102833	9/15/2009	ND	1.000	1.00	18720	ND		ND	ND
16A	102834	9/15/2009	ND	1.000	1.00	18720	ND		ND	ND
17A	102835	9/15/2009	ND	1.000	1.00	18720	ND		ND	ND
18A	102836	NA	ND	1.000	1.00	20160	ND		ND	ND
19A	102837	NA	ND	1.000	1.00	20160	ND		ND	ND
20A	104971	NA	ND	1.000	1.00	20160	ND		ND	ND
21A	104972	9/16/2009	ND	1.000	1.00	20160	ND		ND	ND
22A	104973	9/16/2009	ND	1.000	1.00	20160	ND		ND	ND
23A	104974	9/16/2009	ND	1.000	1.00	20160	ND		ND	ND
24A	104975	9/16/2009	ND	1.000	1.00	20160	ND		ND	ND
25A	104976	9/16/2009	ND	1.000	1.00	20160	ND		ND	ND
26A	104942	9/15/2009	ND	1.000	1.00	18720	ND		ND	ND
27A	104943	9/15/2009	ND	1.000	1.00	18720	ND		ND	ND
28A	104944	9/15/2009	ND	1.000	1.00	18720	ND		ND	ND
29A	104945	NA	ND	1.000	1.00	20160	ND		ND	ND
30A	104946	9/15/2009	ND	1.000	1.00	18720	ND		ND	ND
31A	104947	9/15/2009	ND	1.000	1.00	18720	ND		ND	ND
32A	102897	9/15/2009	ND	1.000	1.00	18720	ND		ND	ND
33A	102898	9/15/2009	ND	1.000	1.00	18720	ND		ND	ND
34A	102905	9/15/2009	ND	1.000	1.00	18720	ND		ND	ND
35A	102909	9/15/2009	ND	1.000	1.00	18720	ND		ND	ND
36A	102913	9/15/2009	ND	1.000	1.00	18720	ND		ND	ND
37A	106259	9/15/2009	ND	1.000	1.00	18720	ND		ND	ND
38A	106260	9/15/2009	ND	1.000	1.00	18720	ND		ND	ND
39A	106270	9/15/2009	ND	1.000	1.00	18720	ND		ND	ND
40A	106274	9/15/2009	ND	1.000	1.00	18720	ND		ND	ND
41A	105060	9/17/2009	ND	1.000	1.00	20160	ND		ND	ND
42A	105061	9/17/2009	ND	1.000	1.00	20160	ND		ND	ND
43A	105062	9/17/2009	ND	1.000	1.00	20160	ND		ND	ND
44A	105063	9/17/2009	ND	1.000	1.00	20160	ND		ND	ND
45A	105064	9/17/2009	ND	1.000	1.00	20160	ND		ND	ND
46A	105065	NA	ND	1.000	1.00	20160	ND		ND	ND
47A	**Method Blank**	NA	ND	1.000	1.00	20160	ND		ND	ND
47B	**Method Blank**	NA	ND	1.000	1.00	20160	ND		ND	ND
						QC Duration 20160				

Template verified by Hhayes 9/21/09
Added additional rows: AW 10/13/09

0018

	1.053 = Factor from F- to HF	1.053 = Factor from F- to HF			
RL(mg/L) x Initial Vol (mL) x 1000ug x 1L / 1mg x 1000 mL	RL F- (ug)*1.053	RL (ug) x 1.053 x 1000000 / Q x Duration (min)			
RL F- (ug)	**RL HF (ug)**	**RL HF (ug/m3)**	**Result (ug)**	**Result (ug/m3)**	**%Rec**
5.000	5.3	1.504	ND	ND	
5.000	5.3	1.504	ND	ND	
5.000	5.3	1.504	ND	ND	
5.000	5.3	1.504	ND	ND	
5.000	5.3	1.504	ND	ND	
5.000	5.3	1.397	ND	ND	
5.000	5.3	1.504	ND	ND	
5.000	5.3	1.504	ND	ND	
5.000	5.3	1.504	ND	ND	
5.000	5.3	1.504	ND	ND	
5.000	5.3	1.504	ND	ND	
5.000	5.3	1.397	ND	ND	
5.000	5.3	1.504	ND	ND	
5.000	5.3	1.504	ND	ND	
5.000	5.3	1.504	ND	ND	
5.000	5.3	1.504	ND	ND	
5.000	5.3	1.504	ND	ND	
5.000	5.3	1.397	ND	ND	
5.000	5.3	1.397	ND	ND	
5.000	5.3	1.397	ND	ND	
5.000	5.3	1.397	ND	ND	
5.000	5.3	1.397	ND	ND	
5.000	5.3	1.397	ND	ND	
5.000	5.3	1.397	ND	ND	
5.000	5.3	1.504	ND	ND	
5.000	5.3	1.504	ND	ND	
5.000	5.3	1.504	ND	ND	
5.000	5.3	1.397	ND	ND	
5.000	5.3	1.504	ND	ND	
5.000	5.3	1.504	ND	ND	
5.000	5.3	1.504	ND	ND	
5.000	5.3	1.504	ND	ND	
5.000	5.3	1.504	ND	ND	
5.000	5.3	1.504	ND	ND	
5.000	5.3	1.504	ND	ND	
5.000	5.3	1.504	ND	ND	
5.000	5.3	1.504	ND	ND	
5.000	5.3	1.504	ND	ND	
5.000	5.3	1.397	ND	ND	
5.000	5.3	1.397	ND	ND	
5.000	5.3	1.397	ND	ND	
5.000	5.3	1.397	ND	ND	
5.000	5.3	1.397	ND	ND	
5.000	5.3	1.397	ND	ND	
5.000	5.3	1.397	ND	ND	

Shipping/ Receiving Documents

Air Toxics LTD.
Laboratory Services Since 1989

180 Blue Ravine Road, Suite B
Folsom, CA 95630

Phone (916) 985-1000 FAX (916) 985-1020
Hours 8:00 A.M. to 6:00 P.M. Pacific

COMPANY:	Environmental Health & Engineering, Inc.
ATTENTION:	Mr. Taeko Minegishi
FAX #:	781-247-4305
FROM:	Sample Receiving
Workorder #:	0909375E
# of pages (Including Cover):	4

10/20/2009

Thank you for selecting Air Toxics Ltd. We have received your samples and have found no discrepancies. In order to expedite analysis and reporting, please review the attached information for accuracy. Corrections can be faxed to **Ausha Scott at 916-985-1020.**
ATL will proceed with the analysis as specified on the Chain of Custody and Sample Login page.

Air Toxics LTD.
Laboratory Services Since 1989

180 Blue Ravine Road, Suite B
Folsom, CA 95630

Phone (916) 985-1000 FAX (916) 985-1020
Hours 8:00 A.M. to 6:00 P.M. Pacific

COMPANY:	Environmental Health & Engineering, Inc.
ATTENTION:	Mr. Taeko Minegishi
FAX #:	781-247-4305
FROM:	Sample Receiving
Workorder #:	0909375F
# of pages (Including Cover):	4

10/20/2009

Thank you for selecting Air Toxics Ltd. We have received your samples and have found no discrepancies. In order to expedite analysis and reporting, please review the attached information for accuracy. Corrections can be faxed to **Ausha Scott at 916-985-1020.**
ATL will proceed with the analysis as specified on the Chain of Custody and Sample Login page.

Environmental Health & Engineering, Inc.

CHAIN OF CUSTODY FORM

0909375

DATE: 9/16/09

FROM: Environmental Health and Engineering, Inc.
117 Fourth Avenue
Needham, MA 02494-2725

TO: AIR TOXICS

Please send invoices to ATTN: Accounts Payable
Please send reports to ATTN: Data Coordinator

In all correspondence regarding this matter, please refer to EH&E Project # 16512

The cost of this analysis will be covered by EH&E Purchase Order # 16512

For EH & E Data Coordinator - URGENT DATA ☐

SAMPLE ID	SAMPLE TYPE	ANALYTICAL METHOD/NUMBER	START	OTHER: Time/Date/Vol. STOP
102783	AIR/PASSIVE	NO_2 SO_2 HF ANALYSIS	9/3/09	9/16/09
102784				
102785				
102786				
102787				
102788				0
105647				9/16/09
105648				
105649				
105650				
105651				
105652				0

CUSTODY SEAL INTACT? Y N NONE TEMP 8.4°C

Special Instructions:

☒ Standard turn around time ☐ Rush by _____ date/time

☐ Fax results 781-247-4305

☐ RETURN SAMPLES ☒ Electronic transfer - datacoordinator@eheinc.com

☒ Additional report recipient MERABALA@EHEINC.COM

Each signatory please return one copy of this form to the above address

Relinquished by: _____ of Environmental Health & Engineering, Inc. Date: _____

Received by: _____ of (company name) ATI 085-6 Date: 9/18/09

Relinquished by: _____ of (company name) _____ Date: _____

Received by: _____ of (company name) _____ Date: _____

Relinquished by: _____ of (company name) _____ Date: _____

Received by: _____ of (company name) _____ Date: _____

Lab Data
Received by: _____ of Environmental Health & Engineering, Inc. Date: _____

Page ____ of ____

WHITE-EH&E FILE COPY YELLOW-LAB COPY PINK-PROJECT MANAGER COPY GOLD-DATA COORDINATOR COPY

Environmental Health & Engineering, Inc.

CHAIN OF CUSTODY FORM

0909375

DATE: 9/15/09

FROM: Environmental Health and Engineering, Inc.
117 Fourth Avenue
Needham, MA 02494-2725

TO: AIR TOXICS

Please send invoices to ATTN: Accounts Payable
Please send reports to ATTN: Data Coordinator

In all correspondence regarding this matter, please refer to EH&E Project # 16512

The cost of this analysis will be covered by EH&E Purchase Order # 16512

For EH & E Data Coordinator - URGENT DATA ☐

SAMPLE ID	SAMPLE TYPE	ANALYTICAL METHOD/NUMBER	START	OTHER: Time/Date/Vol.	STOP
102831	AIR/PASSIVE	~~NO2~~/SO2/HF ANALYSIS	9/2/09	9/15/09	
102832					
102833					
102834					
102835					
102836				0	
102837				0	
104971				0	
104982				9/16/09	
104973					
104974					
104975					
104976					

CUSTODY SEAL INTACT? Y N NONE TEMP 2 4°C

Special Instructions:

☒ Standard turn around time ☐ Rush by _____ date/time ☐ Other _____

☐ Fax results 781-247-4305

☐ **RETURN SAMPLES** ☒ Electronic transfer - datacoordinator@eheinc.com

☒ Additional report recipient MFRAGALA@EHEINC.COM

Each signatory please return one copy of this form to the above address

Relinquished by: _____ of Environmental Health & Engineering, Inc. Date: _____

Received by: _____ of (company name) ATL 0850 Date: 9/18/09

Relinquished by: _____ of (company name) _____ Date: _____

Received by: _____ of (company name) _____ Date: _____

Relinquished by: _____ of (company name) _____ Date: _____

Received by: _____ of (company name) _____ Date: _____

Lab Data
Received by: _____ of Environmental Health & Engineering, Inc. Date: _____

Page ____ of ____

WHITE-EH&E FILE COPY YELLOW-LAB COPY PINK-PROJECT MANAGER COPY GOLD-DATA COORDINATOR COPY

Environmental Health & Engineering, Inc.

CHAIN OF CUSTODY FORM

0909375

DATE: 9/15/09

FROM: Environmental Health and Engineering, Inc.
117 Fourth Avenue
Needham, MA 02494-2725

TO: AIR TOXICS

Please send invoices to ATTN: Accounts Payable
Please send reports to ATTN: Data Coordinator

In all correspondence regarding this matter, please refer to EH&E Project # 16512

The cost of this analysis will be covered by EH&E Purchase Order # 16512

For EH & E Data Coordinator - URGENT DATA ☐

SAMPLE ID	SAMPLE TYPE	ANALYTICAL METHOD/NUMBER	START	OTHER:Time/Date/Vol. STOP
104942	AIR/PASSIVE	NO_2 SO_2 HF ANALYSIS	9/2/09	9/15/09
104943			9/2/09	9/16/09
104944			9/2/09	9/15/09
104945			9/2	0
104946			9/2	9/15/09
104947			9/2	9/15/09
102897			9/2	9/15
102898			9/2	9/15
102905			9/2	9/15
102909			9/2	9/15
102913			9/2	9/15
106259			9/2	9/15
106260			9/2	9/15
106270			9/2	9/15
106274			9/2	9/15

Special Instructions:

Fedex 9682 2625 2202

☒ Standard turn around time ☐ Rush by _____ date/time

CUSTODY SEAL INTACT? Y N NONE TEMP 8.4°C

☐ Fax results 781-247-4305

☐ **RETURN SAMPLES**

☒ Electronic transfer - datacoordinator@ehsinc.com

☒ Additional report recipient MFRAGALA@EHSINC.COM

Each signatory please return one copy of this form to the above address

Relinquished by: _____ of Environmental Health & Engineering, Inc. Date: _____

Received by: _____ of (company name) AHI 0756 Date: 9/18/09

Relinquished by: _____ of (company name) _____ Date: _____

Received by: _____ of (company name) _____ Date: _____

Relinquished by: _____ of (company name) _____ Date: _____

Received by: _____ of (company name) _____ Date: _____

Lab Data
Received by: _____ of Environmental Health & Engineering, Inc. Date: _____

Page ____ of ____

WHITE-EH&E FILE COPY YELLOW-LAB COPY PINK-PROJECT MANAGER COPY GOLD-DATA COORDINATOR COPY

Environmental Health & Engineering, Inc.

CHAIN OF CUSTODY FORM

0909375

DATE: 9/17/09

FROM: Environmental Health and Engineering, Inc.
117 Fourth Avenue
Needham, MA 02494-2725

TO: AIR TOXICS

Please send invoices to ATTN: Accounts Payable
Please send reports to ATTN: Data Coordinator

In all correspondence regarding this matter, please refer to EH&E Project # 16512

The cost of this analysis will be covered by EH&E Purchase Order # 16512

For EH & E Data Coordinator - URGENT DATA ☐

SAMPLE ID	SAMPLE TYPE	ANALYTICAL METHOD/NUMBER	START	OTHER:Time/Date/Vol.
A 105060	AIR/PASSIVE	NO_2, SO_2 HF ANALYSIS	9/3/09	9/17/09
2A 105061				
3A 105062				
4A 105063				
5A 105064				
A 105065				0
105054		ALDEHYDE ANALYSIS		9/17/09
105055				
105056				
105057				
105058				
105059				0

Special Instructions:

☒ Standard turn around time ☐ Rush by _____ date/time ☐ Other _____

☐ Fax results 781-247-4305

☐ **RETURN SAMPLES**

☒ Electronic transfer - datacoordinator@ehsinc.com & Y-PC

☒ Additional report recipient MFRAGALA@EHSINC.COM

Each signatory please return one copy of this form to the above address

Relinquished by: _____ of Environmental Health & Engineering, Inc. Date: 9/17/09

Received by: _____ of (company name) _____ Date: 9/18/09

Relinquished by: _____ of (company name) _____ Date: _____

Received by: _____ of (company name) _____ Date: _____

Relinquished by: _____ of (company name) _____ Date: _____

Received by: _____ of (company name) _____ Date: _____

Lab Data
Received by: _____ of Environmental Health & Engineering, Inc. Date: _____

Page ___ of ___

NO_2 SO_2 HF

WHITE-EH&E FILE COPY YELLOW-LAB COPY PINK-PROJECT MANAGER COPY GOLD-DATA COORDINATOR COPY

Air Toxics LTD.
Laboratory Services Since 1989

SAMPLE RECEIPT SUMMARY

WORKORDER 0909375E

Client

Mr. Taeko Minegishi
Environmental Health & Engineering, Inc.
117 Fourth Avenue
Needham, MA 02494

Phone

800-825-5343

Fax

781-247-4305

Sales Rep: TL

Date Promised: 10/09/09 11:59 pm
Date Completed: 10/17/09
Date Received: 9/18/09
PO#: 16512
Project#: 16512

Total $: $ 3,240.00
Logged By: MG

Fraction	Sample #	Analysis	Collected	Amount$
01A	102783	SubContract	9/16/2009	$40.00
02A	102784	SubContract	9/16/2009	$40.00
03A	102785	SubContract	9/16/2009	$40.00
04A	102786	SubContract	9/16/2009	$40.00
05A	102787	SubContract	9/16/2009	$40.00
06A	102788	SubContract	NA	$40.00
07A	105647	SubContract	9/16/2009	$40.00
08A	105648	SubContract	9/16/2009	$40.00
09A	105649	SubContract	9/16/2009	$40.00
10A	105650	SubContract	9/16/2009	$40.00
11A	105651	SubContract	9/16/2009	$40.00
12A	105652	SubContract	NA	$40.00
13A	102831	SubContract	9/15/2009	$0.00
14A	102832	SubContract	9/15/2009	$0.00
15A	102833	SubContract	9/15/2009	$0.00
16A	102834	SubContract	9/15/2009	$0.00
17A	102835	SubContract	9/15/2009	$0.00
18A	102836	SubContract	NA	$0.00
19A	102837	SubContract	NA	$0.00
20A	104971	SubContract	NA	$0.00

Note: Samples received after 3 P.M. PST are considered to be received on the following work day.
Atlas Project Name/Profile#: CPSC Indoor Air Monitoring/13297

BILL TO: Accounts Payable
Environmental Health & Engineering, Inc.
117 Fourth Avenue
Needham, MA 02494

Analysis Code: SubContract

TERMS:

Reporting Method: ATL Application #61 NO2-Radiello 166

SAMPLE RECEIPT SUMMARY Continued

Client

Mr. Taeko Minegishi
Environmental Health &
Engineering, Inc.
117 Fourth Avenue
Needham, MA 02494

Phone

800-825-5343

Fax

781-247-4305

Sales Rep: TL

Date Promised: 10/09/09 11:59 pm
Date Completed: 10/17/09
Date Received: 9/18/09
PO#: 16512
Project#: 16512

Total $: $ 3,240.00
Logged By: MG

Fraction	Sample #	Analysis	Collected	Amount$
21A	104972	SubContract	9/16/2009	$0.00
22A	104973	SubContract	9/16/2009	$0.00
23A	104974	SubContract	9/16/2009	$0.00
24A	104975	SubContract	9/16/2009	$0.00
25A	104976	SubContract	9/16/2009	$0.00
26A	104942	SubContract	9/15/2009	$0.00
27A	104943	SubContract	9/15/2009	$0.00
28A	104944	SubContract	9/15/2009	$0.00
29A	104945	SubContract	NA	$0.00
30A	104946	SubContract	9/15/2009	$0.00
31A	104947	SubContract	9/15/2009	$0.00
32A	102897	SubContract	9/15/2009	$0.00
33A	102898	SubContract	9/15/2009	$0.00
34A	102905	SubContract	9/15/2009	$0.00
35A	102909	SubContract	9/15/2009	$0.00
36A	102913	SubContract	9/15/2009	$0.00
37A	106259	SubContract	9/15/2009	$0.00
38A	106260	SubContract	9/15/2009	$0.00
39A	106270	SubContract	9/15/2009	$0.00
40A	106274	SubContract	9/15/2009	$0.00

Note: Samples received after 3 P.M. PST are considered to be received on the following work day.
Atlas Project Name/Profile#: CPSC Indoor Air Monitoring/13297

BILL TO: Accounts Payable
Environmental Health & Engineering, Inc.
117 Fourth Avenue
Needham, MA 02494

Analysis Code: SubContract

TERMS:

Reporting Method: ATL Application #61 NO2-Radiello 166

SAMPLE RECEIPT SUMMARY Continued

Client

Mr. Taeko Minegishi
Environmental Health & Engineering, Inc.
117 Fourth Avenue
Needham, MA 02494

Sales Rep: TL

Phone

800-825-5343

Fax

781-247-4305

Date Promised: 10/09/09 11:59 pm
Date Completed: 10/17/09
Date Received: 9/18/09
PO#: 16512
Project#: 16512

Total $: $ 3,240.00
Logged By: MG

Fraction	Sample #	Analysis	Collected	Amount$
41A	105060	SubContract	9/17/2009	$0.00
42A	105061	SubContract	9/17/2009	$0.00
43A	105062	SubContract	9/17/2009	$0.00
44A	105063	SubContract	9/17/2009	$0.00
45A	105064	SubContract	9/17/2009	$0.00
46A	105065	SubContract	NA	$0.00
47A	Method Blank	SubContract	NA	$0.00
47B	Method Blank	SubContract	NA	$0.00

Misc. Charges	Subcontract (46) @ $55.00 each.	$2,530.00
	eCVP (46) @ $5.00 each.	$230.00

Note: Samples received after 3 P.M. PST are considered to be received on the following work day.
Atlas Project Name/Profile#: CPSC Indoor Air Monitoring/13297

BILL TO: Accounts Payable
Environmental Health & Engineering, Inc.
117 Fourth Avenue
Needham, MA 02494

Analysis Code: SubContract

TERMS:

Reporting Method: ATL Application #61 NO2-Radiello 166

Air Toxics LTD.
Laboratory Services Since 1989

SAMPLE RECEIPT SUMMARY

WORKORDER 0909375F

Client

Mr. Taeko Minegishi
Environmental Health &
Engineering, Inc.
117 Fourth Avenue
Needham, MA 02494

Phone

800-825-5343

Fax

781-247-4305

Sales Rep: TL

Date Promised: 10/09/09 11:59 pm
Date Completed: 10/17/09
Date Received: 9/18/09
PO#: 16512
Project#: 16512

Total $: $ 0.00
Logged By: MG

Fraction	Sample #	Analysis	Collected	Amount$
01A	102783	SubContract	9/16/2009	$0.00
02A	102784	SubContract	9/16/2009	$0.00
03A	102785	SubContract	9/16/2009	$0.00
04A	102786	SubContract	9/16/2009	$0.00
05A	102787	SubContract	9/16/2009	$0.00
06A	102788	SubContract	NA	$0.00
07A	105647	SubContract	9/16/2009	$0.00
08A	105648	SubContract	9/16/2009	$0.00
09A	105649	SubContract	9/16/2009	$0.00
10A	105650	SubContract	9/16/2009	$0.00
11A	105651	SubContract	9/16/2009	$0.00
12A	105652	SubContract	NA	$0.00
13A	102831	SubContract	9/15/2009	$0.00
14A	102832	SubContract	9/15/2009	$0.00
15A	102833	SubContract	9/15/2009	$0.00
16A	102834	SubContract	9/15/2009	$0.00
17A	102835	SubContract	9/15/2009	$0.00
18A	102836	SubContract	NA	$0.00
19A	102837	SubContract	NA	$0.00
20A	104971	SubContract	NA	$0.00

Note: Samples received after 3 P.M. PST are considered to be received on the following work day.
Atlas Project Name/Profile#: CPSC Indoor Air Monitoring/13297

BILL TO: Accounts Payable
Environmental Health & Engineering, Inc.
117 Fourth Avenue
Needham, MA 02494

Analysis Code: SubContract

TERMS: NET 30

Reporting Method: ATL Application #61 NO2-Radiello 166

SAMPLE RECEIPT SUMMARY Continued

Client

Mr. Taeko Minegishi
Environmental Health &
Engineering, Inc.
117 Fourth Avenue
Needham, MA 02494

Sales Rep: TL

Phone

800-825-5343

Fax

781-247-4305

Date Promised: 10/09/09 11:59 pm
Date Completed: 10/17/09
Date Received: 9/18/09
PO#: 16512
Project#: 16512

Total $: $ 0.00
Logged By: MG

Fraction	Sample #	Analysis	Collected	Amount$
21A	104972	SubContract	9/16/2009	$0.00
22A	104973	SubContract	9/16/2009	$0.00
23A	104974	SubContract	9/16/2009	$0.00
24A	104975	SubContract	9/16/2009	$0.00
25A	104976	SubContract	9/16/2009	$0.00
26A	104942	SubContract	9/15/2009	$0.00
27A	104943	SubContract	9/15/2009	$0.00
28A	104944	SubContract	9/15/2009	$0.00
29A	104945	SubContract	NA	$0.00
30A	104946	SubContract	9/15/2009	$0.00
31A	104947	SubContract	9/15/2009	$0.00
32A	102897	SubContract	9/15/2009	$0.00
33A	102898	SubContract	9/15/2009	$0.00
34A	102905	SubContract	9/15/2009	$0.00
35A	102909	SubContract	9/15/2009	$0.00
36A	102913	SubContract	9/15/2009	$0.00
37A	106259	SubContract	9/15/2009	$0.00
38A	106260	SubContract	9/15/2009	$0.00
39A	106270	SubContract	9/15/2009	$0.00
40A	106274	SubContract	9/15/2009	$0.00

Note: Samples received after 3 P.M. PST are considered to be received on the following work day.
Atlas Project Name/Profile#: CPSC Indoor Air Monitoring/13297

BILL TO: Accounts Payable
Environmental Health & Engineering, Inc.
117 Fourth Avenue
Needham, MA 02494

Analysis Code: SubContract

TERMS: NET 30

Reporting Method: ATL Application #61 NO2-Radiello 166

SAMPLE RECEIPT SUMMARY Continued

Client

Mr. Taeko Minegishi
Environmental Health &
Engineering, Inc.
117 Fourth Avenue
Needham, MA 02494

Sales Rep: TL

Phone

800-825-5343

Fax

781-247-4305

Date Promised: 10/09/09 11:59 pm
Date Completed: 10/17/09
Date Received: 9/18/09
PO#: 16512
Project#: 16512

Total $: $ 0.00
Logged By: MG

Fraction	Sample #	Analysis	Collected	Amount$
41A	105060	SubContract	9/17/2009	$0.00
42A	105061	SubContract	9/17/2009	$0.00
43A	105062	SubContract	9/17/2009	$0.00
44A	105063	SubContract	9/17/2009	$0.00
45A	105064	SubContract	9/17/2009	$0.00
46A	105065	SubContract	NA	$0.00
47A	Method Blank	SubContract	NA	$0.00
47B	Method Blank	SubContract	NA	$0.00

Note: Samples received after 3 P.M. PST are considered to be received on the following work day.
Atlas Project Name/Profile#: CPSC Indoor Air Monitoring/13297

BILL TO: Accounts Payable
Environmental Health & Engineering, Inc.
117 Fourth Avenue
Needham, MA 02494

Analysis Code: SubContract

TERMS: NET 30

Reporting Method: ATL Application #61 NO2-Radiello 166

Other Records

@Air Toxics Ltd.

DATA REVIEW CHECKLIST

Work Order #: 0909375E/F

A_1	A_2	R	T	M	Q	
☐	☐	☐	☐	☑	☐	Analysis/Reporting vs. Project Profile/SOP requirements checked (i.e. 100% Dups, J-Flag to MDL, etc)
		☐	☐	☑	☐	The final report has the correct reporting list, special units, and header info.
		☐	☐	☑	☐	Lab Narrative is correct (proper method & description/Receiving & Analytical notes correct)
		☐	☐	☑	☐	Sample Discrepancy Report (SDR) is completed
☐	☐	☐	☐	☐	☐	Corrective Action issued - #_____
☐	☐	☐	☐	☑	☐	Unusual circumstances have been documented in the notes section below

LUMEN *validation report present and initialed* ***CIRCLE (YES / NO)***

☐	☐	☐	☐	☑	☐	Lab Blank, CCV, LCS and DUP met QC criteria
☐	☐	☐	☐	☑	☐	Hold time is met for all samples
		☐	☐	☑	☐	Appropriate data qualifier flags are applied
		☐	☐	☑	☐	Manual integrations for samples and QC are properly documented
☐	☐	☐	☐		☐	Samples analyzed within the project or method specific clock
		☐	☐			Retention times have been verified
☐	☐	☐	☐		☐	Appropriate ICAL(s) included
		☐	☐	☑	☐	At least one result per sample is verified against the target quant sheets/raw data
☐	☐	☐	☐		☐	Dilution factor correctly calculated (sample load volume, syringe and bag dilutions, can pressurization(s))
☐	☐	☐	☐			Correct amount of sample analyzed (i.e. sample not over-diluted)
		☐	☐			Spectra verified - documentation of spectral defense included (Section 5A of eCVP pkg)
		☐	☐			TICs resemble reference spectra
		☐	☐			TICs between duplicate samples are consistent
☐	☐	☐	☐	☐	☐	Checked samples for trends (i.e. Influent vs. Effluent, Field Dups, Field/Trip Blank, etc.)
☐	☐	☐	☐			Data for multiple analyses of sample(s) has been evaluated for comparability of results
		☐		☑		Special units for all samples in the final report are correctly calculated
		☐	☐	☑		Manually entered results checked (i.e. TPH/NMOC)
☐	☐	☐				Chain of Custody verified for any special comments (i.e. different compounds/RLs, action levels)
		☐				Chain of Custody scanned correctly
					☐	Verify sample id's vs. chain of custody
		☐				Date MDL(s) performed per instrument(s) _____
☐	☐	☐				Samples pressurized w/ appropriate gas (N_2 or He) ☐ Other (i.e. Tedlar bag, cartridge, sorbent)
☐	☐	☐				Final pressure consistent with canister size (6L vs. 1L)
☐	☐	☐				Verify receipt pressures
☐	☐	☐				Verify canister ID #'s
		☐		☑		Final invoice amount correct (adjusted for TAT, Penalties, Re-issue Charges etc.)
				☑		MDL date(s) present for all instruments utilized
		☐	☐	☑	☐	Client LUMEN report reviewed for accuracy and completeness

Notes: *(to include; noting samples with QA/QC problems, Blanks with positive hits, narratives, etc.)*

R: Subcontracted to APPL

Q:

A_1/A_2 (Analytical Review/Date)	R/T (Reporting Review/Date)	M (Management Review/Date)	Q (QA Review/Date)
A_1:	R:	10/17/09	
A_2:	T:		

Note (1): Please check all the appropriate boxes. Indicate "NA" for any statement that does not apply. Rev. 02/2009

Note (2): Management reviewer and reporting reviewer must be separate individuals.

Laboratory Report

Air Toxics, Ltd

16512

ARF 59854

APPL, Inc.

INORGANIC ANALYSIS

APPL, INC.

Data Validation Package
for

INORGANIC ANALYSIS

TABLE OF CONTENTS

LABORATORY NAME: *APPL, Inc.*

Case Narrative	4
Chain of Custody and ARF	8
QC Summary	19
Sample Data	26
Calibration Data	170
Raw Data	304

APPL, INC.

INORGANIC ANALYSIS
Case Narrative

APPL, INC.

908 North Temperance Ave. ∇ Clovis, CA 93611 ∇ Phone 559-275-2175 ∇ Fax 559-275-4422

EPA Method 300.0
Sulfate/Sulfide & Fluoride
Case Narrative

ARF: 59854

Project: 16512

State Certification Number: CA1312 (DW & WW)

NELAP Certification number: 05233CA (HW)

Results in this report apply to the samples analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety.

Sample Receipt Information:

The sample group was received on September 24, 2009, at 3.0°C. The sample group was assigned Analytical Request Form (ARF) number 59854. The sample numbers and requested analyses were compared to the chains of custody. No exception was encountered.

Sample Table

CLIENT ID	APPL ID	Matrix	Date Sampled	Date Received
102783	AY03948	WATER	08/08/88	09/24/09
102784	AY03949	WATER	08/08/88	09/24/09
102785	AY03950	WATER	08/08/88	09/24/09
102786	AY03951	WATER	08/08/88	09/24/09
102787	AY03952	WATER	08/08/88	09/24/09
102788	AY03953	WATER	08/08/88	09/24/09
105647	AY03954	WATER	08/08/88	09/24/09
105648	AY03955	WATER	08/08/88	09/24/09
105649	AY03956	WATER	08/08/88	09/24/09
105650	AY03957	WATER	08/08/88	09/24/09
105651	AY03958	WATER	08/08/88	09/24/09
105652	AY03959	WATER	08/08/88	09/24/09
102831	AY03960	WATER	08/08/88	09/24/09
102832	AY03961	WATER	08/08/88	09/24/09
102833	AY03962	WATER	08/08/88	09/24/09
102834	AY03963	WATER	08/08/88	09/24/09
102835	AY03964	WATER	08/08/88	09/24/09
102836	AY03965	WATER	08/08/88	09/24/09
102837	AY03966	WATER	08/08/88	09/24/09
104971	AY03967	WATER	08/08/88	09/24/09
104972	AY03968	WATER	08/08/88	09/24/09
104973	AY03969	WATER	08/08/88	09/24/09
104974	AY03970	WATER	08/08/88	09/24/09

104975	AY03971	WATER	08/08/88	09/24/09
104976	AY03972	WATER	08/08/88	09/24/09
104942	AY03973	WATER	08/08/88	09/24/09
104943	AY03974	WATER	08/08/88	09/24/09
104944	AY03975	WATER	08/08/88	09/24/09
104945	AY03976	WATER	08/08/88	09/24/09
104946	AY03977	WATER	08/08/88	09/24/09
104947	AY03978	WATER	08/08/88	09/24/09
102897	AY03979	WATER	08/08/88	09/24/09
102898	AY03980	WATER	08/08/88	09/24/09
102905	AY03981	WATER	08/08/88	09/24/09
102909	AY03982	WATER	08/08/88	09/24/09
102913	AY03983	WATER	08/08/88	09/24/09
106259	AY03984	WATER	08/08/88	09/24/09
106260	AY03985	WATER	08/08/88	09/24/09
160270	AY03986	WATER	08/08/88	09/24/09
106274	AY03987	WATER	08/08/88	09/24/09
105060	AY03988	WATER	08/08/88	09/24/09
105061	AY03989	WATER	08/08/88	09/24/09
105062	AY03990	WATER	08/08/88	09/24/09
105063	AY03991	WATER	08/08/88	09/24/09
105064	AY03992	WATER	08/08/88	09/24/09
105065	AY03993	WATER	08/08/88	09/24/09
METHOD BLANK 1	AY03994	WATER	08/08/88	09/24/09
METHOD BLANK 2	AY03995	WATER	08/08/88	09/24/09

All samples were screened for responses down to the MDL.

Sample Preparation Information:

The samples were received as extracts.

Analysis Information:

Samples:

The samples were analyzed according to EPA method 300.0 using a Dionex DX500 ion chromatograph. All holding times were met.

Calibrations:

Calibrations were performed according to the method for the initial calibration and the initial calibration verification. The initial calibration verification is prepared from a second source standard.

Blanks:

No target analyte was detected above the reporting limits in the method blanks.

Spikes:

Laboratory Control Spikes (LCS) were used for quality assurance. All recoveries were within acceptance limits.

No sample was designated for MS/MSD analysis.

Summary:

No analytical exception is noted.

CERTIFICATION

I certify that this data package is in compliance with the terms and conditions of the contract, both technically and for completeness, for other than the conditions detailed above. These test results meet all requirements of NELAC. Release of the hard copy has been authorized by the Laboratory Manager or his designee, as verified by the following signature.

10/8/09

Leonard Fong, Ph.D, Laboratory Director / Date

INORGANIC ANALYSIS
Chain of Custody and ARF

APPL, INC.

APPL - Analysis Request Form 59854

Client: Air Toxics Ltd.
Address: 180 Blue Ravine Rd.
Folsom, CA 95630
Attn: Ausha Scott
Phone: 916-605-3344 Fax: 916-985-1020
Job: 16512
PO #: 0909375D
Chain of Custody (Y/N): Y #
RAD Screen (Y/N): Y pH (Y/N): N
Turn Around Type: 2 WEEKS

Received by: TBV
Date Received: 09/24/09 Time: 11:00
Delivered by: FED EX
Shuttle Custody Seals (Y/N): N
Chest Temp(s): 3.0°C
Color: A-GREEN
Samples Chilled until Placed in Refrig/Freezer: Y
Project Manager: Diane Anderson DA
QC Report Type: DVP4/EDD/CA
Due Date: 10/08/09

Comments:
Full data package and ATL EDD format
Sulfite/Sulfate 5mg/L
Fluoride 1mg/L

Sample Distribution:
Wetlab: 48-$300WSO3

Charges:

Invoice To:

	Client ID	APPL ID	Sampled	Analyses Requested
1.	102783	AY03948W	NA 00:00	$300WSO3
2.	102784	AY03949W	NA 00:00	$300WSO3
3.	102785	AY03950W	NA 00:00	$300WSO3
4.	102786	AY03951W	NA 00:00	$300WSO3
5.	102787	AY03952W	NA 00:00	$300WSO3
6.	102788	AY03953W	NA 00:00	$300WSO3
7.	105647	AY03954W	NA 00:00	$300WSO3

8. 105648	AY03955W	NA	00:00	$300WSO3
9. 105649	AY03956W	NA	00:00	$300WSO3
10. 105650	AY03957W	NA	00:00	$300WSO3
11. 105651	AY03958W	NA	00:00	$300WSO3
12. 105652	AY03959W	NA	00:00	$300WSO3
13. 102831	AY03960W	NA	00:00	$300WSO3
14. 102832	AY03961W	NA	00:00	$300WSO3
15. 102833	AY03962W	NA	00:00	$300WSO3
16. 102834	AY03963W	NA	00:00	$300WSO3
17. 102835	AY03964W	NA	00:00	$300WSO3
18. 102836	AY03965W	NA	00:00	$300WSO3
19. 102837	AY03966W	NA	00:00	$300WSO3
20. 104971	AY03967W	NA	00:00	$300WSO3
21. 104972	AY03968W	NA	00:00	$300WSO3
22. 104973	AY03969W	NA	00:00	$300WSO3
23. 104974	AY03970W	NA	00:00	$300WSO3
24. 104975	AY03971W	NA	00:00	$300WSO3
25. 104976	AY03972W	NA	00:00	$300WSO3
26. 104942	AY03973W	NA	00:00	$300WSO3
27. 104943	AY03974W	NA	00:00	$300WSO3
28. 104944	AY03975W	NA	00:00	$300WSO3
29. 104945	AY03976W	NA	00:00	$300WSO3
30. 104946	AY03977W	NA	00:00	$300WSO3
31. 104947	AY03978W	NA	00:00	$300WSO3
32. 102897	AY03979W	NA	00:00	$300WSO3
33. 102898	AY03980W	NA	00:00	$300WSO3

34. 102905	AY03981W	NA	00:00	$300WSO3
35. 102909	AY03982W	NA	00:00	$300WSO3
36. 102913	AY03983W	NA	00:00	$300WSO3
37. 106259	AY03984W	NA	00:00	$300WSO3
38. 106260	AY03985W	NA	00:00	$300WSO3
39. 160270	AY03986W	NA	00:00	$300WSO3
40. 106274	AY03987W	NA	00:00	$300WSO3
41. 105060	AY03988W	NA	00:00	$300WSO3
42. 105061	AY03989W	NA	00:00	$300WSO3
43. 105062	AY03990W	NA	00:00	$300WSO3
44. 105063	AY03991W	NA	00:00	$300WSO3
45. 105064	AY03992W	NA	00:00	$300WSO3
46. 105065	AY03993W	NA	00:00	$300WSO3
47. METHOD BLANK 1	AY03994W	NA	00:00	$300WSO3
48. METHOD BLANK 2	AY03995W	NA	00:00	$300WSO3

Initials _____ Date _____

APPL Sample Receipt Form

ARF# **59854**

Sample	Container Type	Count	pH
AY03948	26 Other	1	NA
AY03949	26 Other	1	NA
AY03950	26 Other	1	NA
AY03951	26 Other	1	NA
AY03952	26 Other	1	NA
AY03953	26 Other	1	NA
AY03954	26 Other	1	NA
AY03955	26 Other	1	NA
AY03956	26 Other	1	NA
AY03957	26 Other	1	NA
AY03958	26 Other	1	NA
AY03959	26 Other	1	NA
AY03960	26 Other	1	NA
AY03961	26 Other	1	NA
AY03962	26 Other	1	NA
AY03963	26 Other	1	NA
AY03964	26 Other	1	NA
AY03965	26 Other	1	NA
AY03966	26 Other	1	NA
AY03967	26 Other	1	NA
AY03968	26 Other	1	NA
AY03969	26 Other	1	NA
AY03970	26 Other	1	NA
AY03971	26 Other	1	NA
AY03972	26 Other	1	NA
AY03973	26 Other	1	NA
AY03974	26 Other	1	NA
AY03975	26 Other	1	NA
AY03976	26 Other	1	NA
AY03977	26 Other	1	NA
AY03978	26 Other	1	NA
AY03979	26 Other	1	NA
AY03980	26 Other	1	NA
AY03981	26 Other	1	NA
AY03982	26 Other	1	NA
AY03983	26 Other	1	NA
AY03984	26 Other	1	NA
AY03985	26 Other	1	NA
AY03986	26 Other	1	NA
AY03987	26 Other	1	NA
AY03988	26 Other	1	NA
AY03989	26 Other	1	NA
AY03990	26 Other	1	NA
AY03991	26 Other	1	NA
AY03992	26 Other	1	NA

Sample	Container Type	Count	pH
AY03993	26 Other	1	NA
AY03994	26 Other	1	NA
AY03995	26 Other	1	NA

Air Toxics LTD.

Sample Transportation Notice

Relinquishing signature on this document indicates that sample is being shipped in compliance with all applicable local, State, Federal, national, and international laws, regulations and ordinances of any kind. Air Toxics Limited assumes no liability with respect to the collection handling or shipping of these samples. Relinquished signature also indicated agreement to hold harmless, defend, and indemnify Air Toxics Limited against any claim, demand, or action of any kind, related to the collection, handling, or shipping of samples. D.O.T. Hotline (800) 467-4922.

AIR TOXICS LTD.
180 BLUE RAVINE RD, SUITE B
FOLSOM, CA 95630-1020
916-985-1000 main line
916-985-1020 fax line

Chain-of-Custody Record

Project Manager:Ausha Scott
Company:Air Toxics Ltd.
Address:180 Blue Ravine Rd City: Folsom
State:CA Zip: 95630
Phone:916-605-3344 FAX:916-985-1020

Collected By (print and sign):

Project Information:
P.O. # 0909375D
Project # 16512
Project Name CPSC

Turn Around Time:
☒ Normal
☐ Rush Specify

Reporting Units:
☐ ppmv
☐ ppbv
☐ ug/m3
☐ mg/m3

Lab I.D.	Field Sample I.D.	Tube/ Cartridge	Date of Collection	Start Time	End Time	Duration	Final Volume	Analysis Requested
	102783							Sulfite, Sulfate and Fluoride by
	102784							Method 300
	102785							
	102786							
	102787							
	102788							
	105647							
	105648							
	105649							
	105650							

Relinquished By: (Signature) Date/Time: A Scott 9/22/09 1535
Received By: (Signature) Date/Time:
Relinquished By: (Signature) Date/Time:
Received By: (Signature) Date/Time:
Relinquished By: (Signature) Date/Time:
Received By: (Signature) Date/Time: 9/24/09 1100

Pump Calibration Information
Pre-test Flow Rate:
Post-test Flow Rate:
Average Flow Rate:

Notes:
Full Validation report (electronic)

13

Air Toxics LTD.

Sample Transportation Notice

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180 BLUE RAVINE RD, SUITE B
FOLSOM, CA 95630-1020
916-985-1000 main line
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Chain-of-Custody Record

Project Manager:Ausha Scott
Company:Air Toxics Ltd.
Address:180 Blue Ravine Rd City: Folsom
State:CA Zip: 95630
Phone:916-605-3344 FAX:916-985-1020

Collected By (print and sign):

Project Information:
P.O. # 0909375D
Project # 16512
Project Name CPSC

Turn Around Time:
☒ Normal
☐ Rush Specify

Reporting Units:
☐ ppmv
☐ ppbv
☐ ug/m3
☐ mg/m3

Lab I.D.	Field Sample I.D.	Tube/ Cartridge	Date of Collection	Start Time	End Time	Duration	Final Volume	Analysis Requested
	105651							Sulfite, Sulfate and Fluoride by Method 300
	105652							
	102831							
	102832							
	102833							
	102834							
	102835							
	102836							
	102837							
	104971							

Relinquished By: (Signature) Date/Time: A Scott 9/22/09 1535
Received By: (Signature) Date/Time:

Relinquished By: (Signature) Date/Time:
Received By: (Signature) Date/Time:

Relinquished By: (Signature) Date/Time:
Received By: (Signature) Date/Time: 9/23/09 1100

Pump Calibration Information
Pre-test Flow Rate:
Post-test Flow Rate:
Average Flow Rate:

Notes:

14

Air Toxics LTD.

Sample Transportation Notice

Relinquishing signature on this document indicates that sample is being shipped in compliance with all applicable local, State, Federal, national, and international laws, regulations and ordinances of any kind. Air Toxics Limited assumes no liability with respect to the collection handling or shipping of these samples. Relinquished signature also indicated agreement to hold harmless, defend, and indemnify Air Toxics Limited against any claim, demand, or action of any kind, related to the collection, handling, or shipping of samples. D.O.T. Hotline (800) 467-4922.

AIR TOXICS LTD.
180 BLUE RAVINE RD, SUITE B
FOLSOM, CA 95630-1020
916-985-1000 main line
916-985-1020 fax line

Chain-of-Custody Record

Project Manager:Ausha Scott
Company:Air Toxics Ltd.
Address:180 Blue Ravine Rd City: Folsom
State:CA Zip: 95630
Phone:916-605-3344 FAX:916-985-1020

Collected By (print and sign):

Project Information:
P.O. # 0909375D
Project # 16512
Project Name CPSC

Turn Around Time:
☒ Normal
☐ Rush
Specify

Reporting Units:
☐ ppmv
☐ ppbv
☐ ug/m3
☐ mg/m3

Lab I.D.	Field Sample I.D.	Tube/ Cartridge	Date of Collection	Start Time	End Time	Duration	Final Volume	Analysis Requested
	104972							Sulfite, Sulfate and Fluoride by
	104973							Method 300
	104974							
	104975							
	104976							
	104942							
	104943							
	104944							
	104945							
	104946							

Relinquished By: (Signature) Date/Time: A Scott 9/22/09 1525
Received By: (Signature) Date/Time:

Relinquished By: (Signature) Date/Time:
Received By: (Signature) Date/Time:

Relinquished By: (Signature) Date/Time:
Received By: (Signature) Date/Time: 9/24/09 (2) 9/24/09 11:00

Pump Calibration Information
Pre-test Flow Rate:
Post-test Flow Rate:
Average Flow Rate:

Notes:

15

Air Toxics LTD.

Sample Transportation Notice

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AIR TOXICS LTD.
180 BLUE RAVINE RD, SUITE B
FOLSOM, CA 95630-1020
916-985-1000 main line
916-985-1020 fax line

Chain-of-Custody Record

Project Manager:Ausha Scott
Company:Air Toxics Ltd.
Address:180 Blue Ravine Rd City: Folsom
State:CA Zip: 95630
Phone:916-605-3344 FAX:916-985-1020

Collected By (print and sign):

Project Information:
P.O. # 0909375D
Project # 16512
Project Name CPSC

Turn Around Time:
☒ Normal
☐ Rush Specify

Reporting Units:
☐ ppmv
☐ ppbv
☐ ug/m3
☐ mg/m3

Lab I.D.	Field Sample I.D.	Tube/ Cartridge	Date of Collection	Start Time	End Time	Duration	Final Volume	Analysis Requested
	104947							Sulfite, Sulfate and Fluoride by Method 300
	102897							
	102898							
	102905							
	102909							
	102913							
	106259							
	106260							
	106270							
	106274							

Relinquished By: (Signature) Date/Time: ASCott 9/24/09 1535
Received By: (Signature) Date/Time:

Relinquished By: (Signature) Date/Time:
Received By: (Signature) Date/Time:

Relinquished By: (Signature) Date/Time:
Received By: (Signature) Date/Time: 9/24/09 1100

Pump Calibration Information
Pre-test Flow Rate:
Post-test Flow Rate:
Average Flow Rate:

Notes:

16

Air Toxics LTD.

Chain-of-Custody Record

Sample Transportation Notice

Relinquishing signature on this document indicates that sample is being shipped in compliance with all applicable local, State, Federal, national, and international laws, regulations and ordinances of any kind. Air Toxics Limited assumes no liability with respect to the collection handling or shipping of these samples. Relinquished signature also indicated agreement to hold harmless, defend, and indemnify Air Toxics Limited against any claim, demand, or action of any kind, related to the collection, handling, or shipping of samples. D.O.T. Hotline (800) 467-4922.

AIR TOXICS LTD.
180 BLUE RAVINE RD, SUITE B
FOLSOM, CA 95630-1020
916-985-1000 main line
916-985-1020 fax line

Project Manager:Ausha Scott
Company:Air Toxics Ltd.
Address:180 Blue Ravine Rd City: Folsom
State:CA Zip: 95630
Phone:916-605-3344 FAX:916-985-1020

Collected By (print and sign):

Project Information:
P.O. # 0909375D
Project # 16512
Project Name CPSC

Turn Around Time:
☒ Normal
☐ Rush Specify

Reporting Units:
☐ ppmv
☐ ppbv
☐ ug/m3
☐ mg/m3

Lab I.D.	Field Sample I.D.	Tube/ Cartridge	Date of Collection	Start Time	End Time	Duration	Final Volume	Analysis Requested
	105060							Sulfite, Sulfate and Fluoride by Method 300
	105061							
	105062							
	105063							
	105064							
	105065							
	Method Blank 1							
	Method Blank #2 per label 9-24-09 vp							

Relinquished By: (Signature) Date/Time: A.S.Scott 9/24/09 1535
Received By: (Signature) Date/Time:

Relinquished By: (Signature) Date/Time:
Received By: (Signature) Date/Time:

Relinquished By: (Signature) Date/Time:
Received By: (Signature) Date/Time: 9/24/09 1800

Pump Calibration Information
Pre-test Flow Rate:
Post-test Flow Rate:
Average Flow Rate:

Notes:

17

COOLER RECEIPT FORM

1) Project: 1652 Date Received: 9/24/09

2) Coolers: Number of Coolers: 1

3) (YES) NO Were coolers and samples screened for radioactivity?

4) YES (NO) Were custody seals on outside of cooler? How many?_____ Date on seal? _____

5) Name on seal? _____

6) YES NO (NA) Were custody seals unbroken and intact at the time of arrival?

7) (YES) NO Did the cooler come with a shipping slip (air bill, etc.)? Carrier name: Fed Ex

8) Shipping slip numbers: 1) 4080 5021 3002 2) _____ 3) _____

9) (YES) NO NA Was the shipping slip scanned into the database?

10) YES (NO) NA If cooler belongs to APPL, has it been logged into the ice chest database?

11) Describe type of packing in cooler (bubble wrap, popcorn, type of ice, etc.): plastic vial case, bubble wrap, in blue ice

12) YES NO (NA) For hand delivered samples was sufficient ice present to start the cooling process?

13) (YES) NO Was a temperature blank included in the cooler?

14) Serial number of certified NIST thermometer used: IR 9/24/09 J5297 Correction factor: 0

15) Cooler temp(s): 1) 3.0°C 2) _____ 3) _____ 4) _____ 5) _____ 6) _____ 7) _____ 8) _____

Chain of custody:

16) (YES) NO Was a chain of custody received?

17) (YES) NO Were the custody papers signed in the appropriate places?

18) (YES) NO Was the project identifiable from custody papers?

19) (YES) NO Did the chain of custody include date and time of sampling?

20) (YES) NO Is location where sample was taken listed on the chain of custody?

Sample Labels:

21) (YES) NO Were container labels in good condition?

22) (YES) NO Was the client ID on the label?

23) (YES) NO Was the date of sampling on the label?

24) (YES) NO Was the time of sampling on the label?

25) YES (NO) Did all container labels agree with custody papers?

Sample Containers:

26) (YES) NO Were all containers sealed in separate bags?

27) (YES) NO Did all containers arrive unbroken?

28) YES (NO) Was there any leakage from samples?

29) YES (NO) Were any of the lids cracked or broken?

30) (YES) NO Were correct containers used for the tests indicated?

31) (YES) NO Was a sufficient amount of sample sent for tests indicated?

32) YES NO (NA) Were bubbles present in volatile samples? If yes, the following were received with air bubbles:

Larger than a pea: _____

Smaller than a pea: _____

Preservation & Hold time:

33) (YES) NO NA Was a sufficient amount of holding time remaining to analyze the samples?

34) YES NO (NA) Do the sample containers contain the same preservative as what is stated on the COC?

35) YES NO (NA) Was the pH taken of all non-VOA preserved samples and written on the sample container?

36) YES NO (NA) Was the pH of acid preserved non-VOA samples < 2 & sodium hydroxide preserved samples > 10?

Lab notified if pH was not adequate: _____

Deficiencies: COC listed sample ID Method Blank 1 twice. Received Sample ID Method Blank 2, not on COC.

Signature of personnel receiving samples: _____ Second reviewer: _____

Signature of project manager notified: Renée Date and Time of notification: 9-24-09

Name of client notified: _____ Date and Time of notification: _____

Information given to client: _____

_____ by whom (initials): _____

INORGANIC ANALYSIS
QC Summary

APPL, INC.

WETLAB BLANK

APPL Inc.
908 North Temperance Avenue
Clovis, CA 93611

Method	Analyte	Result	PQL	Units	Prep Date	Anal Date	QC Group
EPA 300.0	Fluoride	Not detected	1.0	mg/L	09/24/09	09/24/09	$300WS-090924A-AY0394
EPA 300.0	Sulfate/Sulfite total	Not detected	5.0	mg/L	09/24/09	09/24/09	$300WS-090924A-AY0394
EPA 300.0	Fluoride	Not detected	1.0	mg/L	09/25/09	09/25/09	$300WS-090925A-AY0395
EPA 300.0	Sulfate/Sulfite total	Not detected	5.0	mg/L	09/25/09	09/25/09	$300WS-090925A-AY0395
EPA 300.0	Fluoride	Not detected	1.0	mg/L	09/29/09	09/29/09	$300WS-090929A-AY0396
EPA 300.0	Sulfate/Sulfite total	Not detected	5.0	mg/L	09/29/09	09/29/09	$300WS-090929A-AY0396
EPA 300.0	Fluoride	Not detected	1.0	mg/L	09/30/09	09/30/09	$300WS-090930A-AY0398
EPA 300.0	Sulfate/Sulfite total	Not detected	5.0	mg/L	09/30/09	09/30/09	$300WS-090930A-AY0398
EPA 300.0	Fluoride	Not detected	1.0	mg/L	10/01/09	10/01/09	$300WS-090929A1-AY039
EPA 300.0	Sulfate/Sulfite total	Not detected	5.0	mg/L	10/01/09	10/01/09	$300WS-090929A1-AY039

Printed: 10/07/09 4:41:12 PM

Laboratory Control Spike Recovery

WETLAB

APPL Inc.
908 North Temperance Avenue
Clovis, CA 93611

Method	Compound Name	Spike Level mg/L	SPK Result mg/L	SPK % Recovery	Recovery Limits	Extract Date	Analysis Date	QC Group
EPA 300.0	Fluoride	5.00	5.09	102	90-110	09/24/09	09/24/09	$300WS-090924A-AY03948
EPA 300.0	Sulfate/Sulfite total	50.0	50.6	101	90-110	09/24/09	09/24/09	$300WS-090924A-AY03948

Comments: _____

_____

_____

Printed: 10/07/09 4:41:17 PM
APPL Standard LCS

Laboratory Control Spike Recovery

WETLAB

APPL Inc.
908 North Temperance Avenue
Clovis, CA 93611

Method	Compound Name	Spike Level mg/L	SPK Result mg/L	SPK % Recovery	Recovery Limits	Extract Date	Analysis Date	QC Group
EPA 300.0	Fluoride	5.00	5.12	102	90-110	09/25/09	09/25/09	$300WS-090925A-AY03958
EPA 300.0	Sulfate/Sulfite total	50.0	47.8	95.6	90-110	09/25/09	09/25/09	$300WS-090925A-AY03958

Comments: _____

_____

_____

Printed: 10/07/09 4:41:17 PM
APPL Standard LCS

Laboratory Control Spike Recovery

WETLAB

APPL Inc.
908 North Temperance Avenue
Clovis, CA 93611

Method	Compound Name	Spike Level mg/L	SPK Result mg/L	SPK % Recovery	Recovery Limits	Extract Date	Analysis Date	QC Group
EPA 300.0	Fluoride	5.00	4.86	97.2	90-110	09/29/09	09/29/09	S300WS-090929A-AY03968
EPA 300.0	Sulfate/Sulfite total	50.0	47.8	95.6	90-110	09/29/09	09/29/09	S300WS-090929A-AY03968

Comments: _____

Laboratory Control Spike Recovery

WETLAB

APPL Inc.
908 North Temperance Avenue
Clovis, CA 93611

Method	Compound Name	Spike Level mg/L	SPK Result mg/L	SPK % Recovery	Recovery Limits	Extract Date	Analysis Date	QC Group
EPA 300.0	Fluoride	5.00	4.83	96.6	90-110	09/30/09	09/30/09	S300WS-090930A-AY03981
EPA 300.0	Sulfate/Sulfite total	50.0	48.2	96.4	90-110	09/30/09	09/30/09	S300WS-090930A-AY03981

Comments: _____

Laboratory Control Spike Recovery

WETLAB

APPL Inc.
908 North Temperance Avenue
Clovis, CA 93611

Method	Compound Name	Spike Level mg/L	SPK Result mg/L	SPK % Recovery	Recovery Limits	Extract Date	Analysis Date	QC Group
EPA 300.0	Fluoride	5.00	4.94	98.8	90-110	10/01/09	10/01/09	$300WS-090929A1-AY03985
EPA 300.0	Sulfate/Sulfite total	50.0	47.5	95.0	90-110	10/01/09	10/01/09	$300WS-090929A1-AY03985

Comments: _____

_____

_____

Printed: 10/07/09 4:41:17 PM
APPL Standard LCS

INORGANIC ANALYSIS
Sample Data

APPL, INC.

Wet Lab Analysis

Air Toxics Ltd.
180 Blue Ravine Rd.
Folsom, CA 95630

APPL Inc.
908 North Temperance Avenue
Clovis, CA 93611

Attn: Ausha Scott

Project: 16512

Sample ID: 102783

APPL ID: AY03948

Sample Collection Date: No Date Specified

ARF: 59854

Method	Analyte	Result	PQL	Units	Prep Date	Analysis Date
EPA 300.0	Fluoride	Not detected	1.0	mg/L	09/24/09	09/24/09
EPA 300.0	Sulfate/Sulfite total	Not detected	5.0	mg/L	09/24/09	09/24/09

Form 1 - APPL Standard Wetlab - No MC
Printed: 10/07/09 4:41:22 PM

Sample Analysis Report

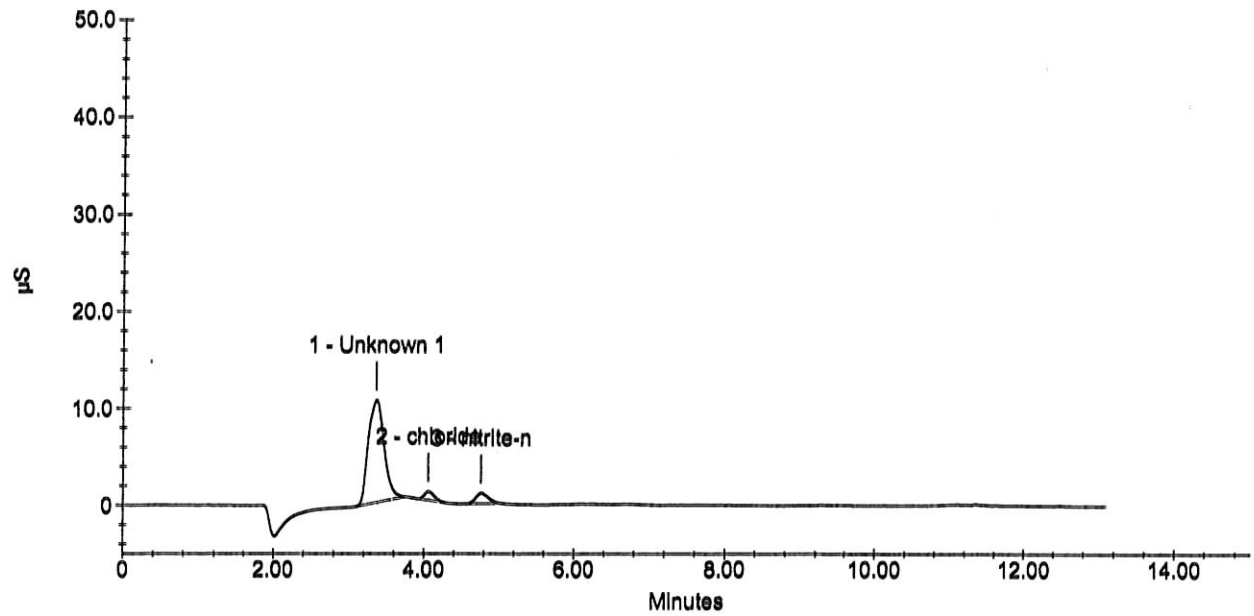
Sample Name : AY03948W01 1/5
Data File Name : i:\dionex\d1anions\data\090924a\090924a_017.DXD

Method File Name : i:\dionex\d1anions\methods\epa300 09-08-09low.met
Date Time Collected : 9/24/09 13:08:07
System Operator : pd
Injection Number : 17
Multiplier : 5.00

Peak Information : All Peaks

Peak Number	Peak Retention Time	Component Name	Component Amount (mg/L)	Peak Area	Peak Height	Limit Exceed
1	3.36	Unknown 1	0.0000	1521065	105126	
2	4.05	chloride	5.9846	79652	8735	
3	4.76	nitrite-n	0.8003	122829	10523	

AY03948W01 1/5



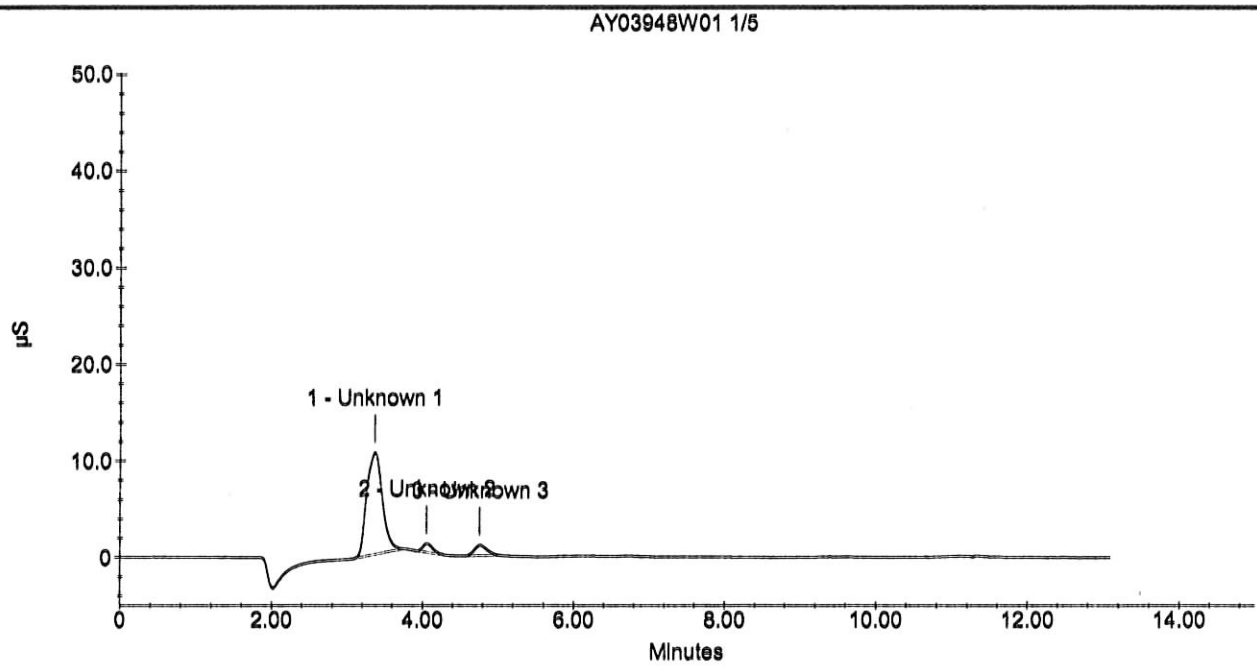
Sample Analysis Report

Sample Name : AY03948W01 1/5
Data File Name : i:\dionex\d1anions\data\090924a\090924a_017.DXD

Method File Name : I:\DIONEX\D1ANIONS\METHODS\EPAsufite 08-25-09Low.met
Date Time Collected : 9/24/09 1:08:07 PM
System Operator : pd
Injection Number : 17
Multiplier : 5.00

Peak Information : All Peaks

Peak Number	Peak Retention Time	Component Name	Component Amount (mg/L)	Peak Area	Peak Height	Limit Exceed
1	3.36	Unknown 1	0.000	1521065	105126	
2	4.05	Unknown 2	0.000	79652	8735	
3	4.76	Unknown 3	0.000	122829	10523	



Wet Lab Analysis

Air Toxics Ltd.
180 Blue Ravine Rd.
Folsom, CA 95630

APPL Inc.
908 North Temperance Avenue
Clovis, CA 93611

Attn: Ausha Scott

Project: 16512

Sample ID: 102784

Sample Collection Date: No Date Specified

APPL ID: AY03949

ARF: 59854

Method	Analyte	Result	PQL	Units	Prep Date	Analysis Date
EPA 300.0	Fluoride	Not detected	1.0	mg/L	09/24/09	09/24/09
EPA 300.0	Sulfate/Sulfite total	Not detected	5.0	mg/L	09/24/09	09/24/09

Form 1 - APPL Standard Wetlab - No MC
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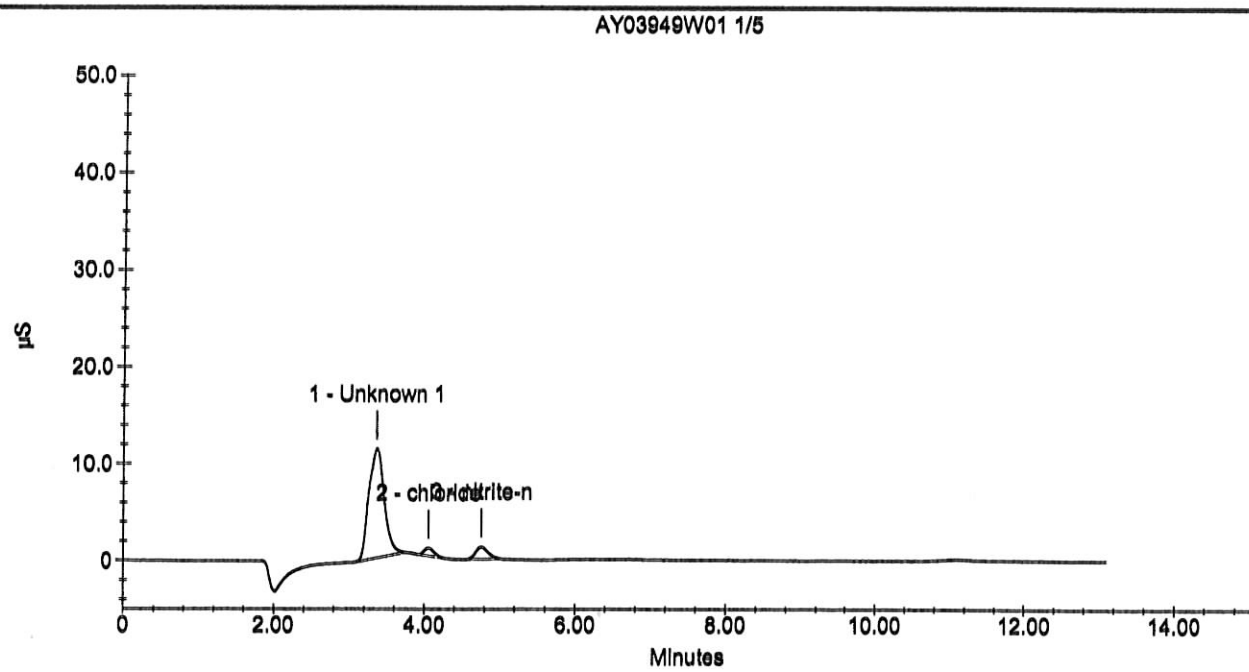
Sample Analysis Report

Sample Name : AY03949W01 1/5
Data File Name : i:\dionex\d1anions\data\090924a\090924a_018.DXD

Method File Name : i:\dionex\d1anions\methods\epa300 09-08-09low.met
Date Time Collected : 9/24/09 13:23:54
System Operator : pd
Injection Number : 18
Multiplier : 5.00

Peak Information : All Peaks

Peak Number	Peak Retention Time	Component Name	Component Amount (mg/L)	Peak Area	Peak Height	Limit Exceed
1	3.36	Unknown 1	0.0000	1590596	112152	
2	4.05	chloride	5.9265	71157	7844	
3	4.76	nitrite-n	0.8707	140638	12349	



Sample Analysis Report

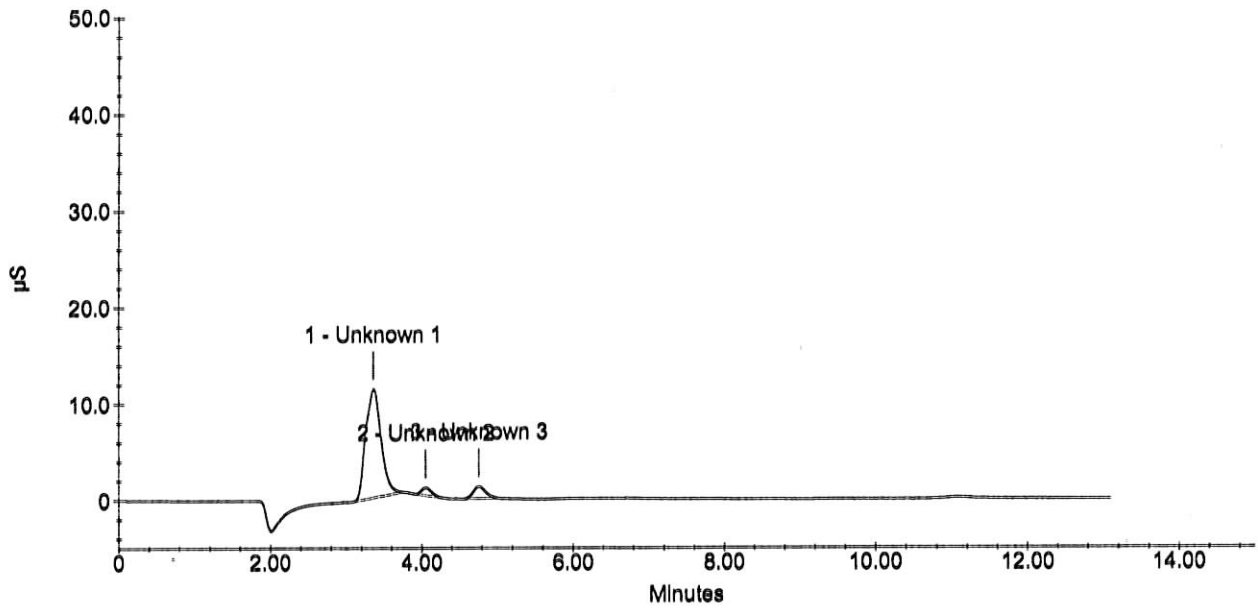
Sample Name : AY03949W01 1/5
Data File Name : i:\dionex\d1anions\data\090924a\090924a_018.DXD

Method File Name : I:\DIONEX\D1ANIONS\METHODS\EPAsufite 08-25-09Low.met
Date Time Collected : 9/24/09 1:23:54 PM
System Operator : pd
Injection Number : 18
Multiplier : 5.00

Peak Information : All Peaks

Peak Number	Peak Retention Time	Component Name	Component Amount (mg/L)	Peak Area	Peak Height	Limit Exceed
1	3.36	Unknown 1	0.000	1590596	112152	
2	4.05	Unknown 2	0.000	71157	7844	
3	4.76	Unknown 3	0.000	140638	12349	

AY03949W01 1/5



Wet Lab Analysis

Air Toxics Ltd.
180 Blue Ravine Rd.
Folsom, CA 95630

APPL Inc.
908 North Temperance Avenue
Clovis, CA 93611

Attn: Ausha Scott

Project: 16512

Sample ID: 102785

APPL ID: AY03950

Sample Collection Date: No Date Specified

ARF: 59854

Method	Analyte	Result	PQL	Units	Prep Date	Analysis Date
EPA 300.0	Fluoride	Not detected	1.0	mg/L	09/24/09	09/24/09
EPA 300.0	Sulfate/Sulfite total	Not detected	5.0	mg/L	09/24/09	09/24/09

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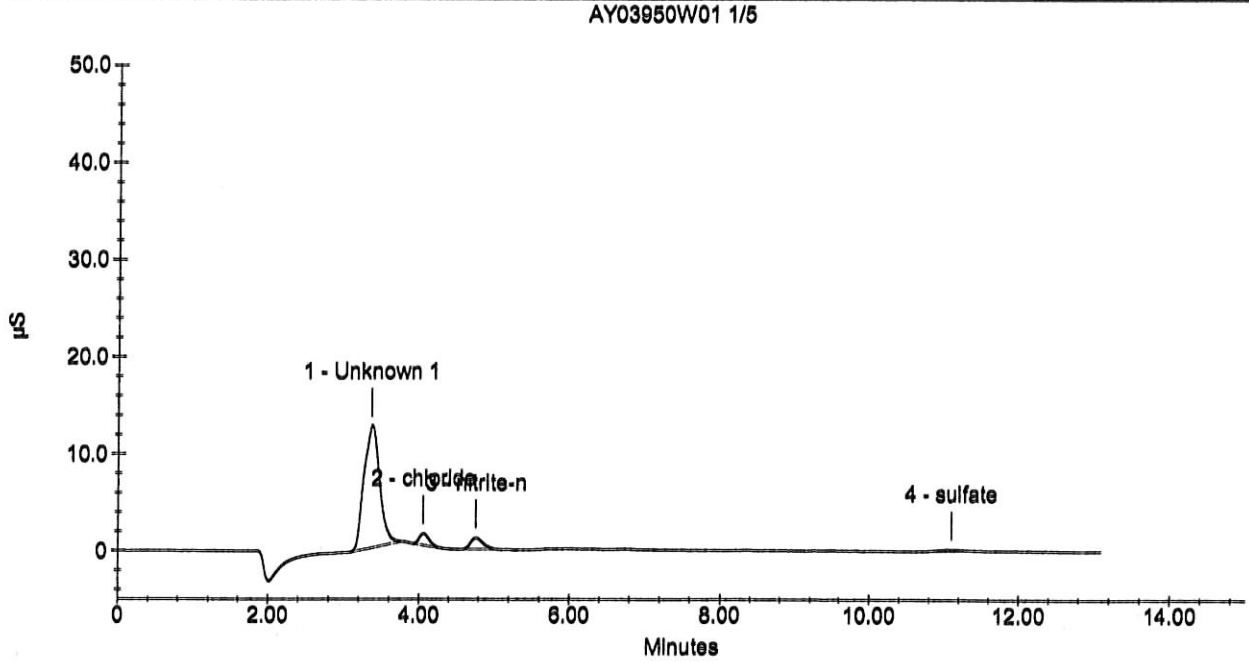
Sample Analysis Report

Sample Name : AY03950W01 1/5
Data File Name : i:\dionex\d1anions\data\090924a\090924a_019.DXD

Method File Name : i:\dionex\d1anions\methods\epa300 09-08-09low.met
Date Time Collected : 9/24/09 13:39:43
System Operator : pd
Injection Number : 19
Multiplier : 5.00

Peak Information : All Peaks

Peak Number	Peak Retention Time	Component Name	Component Amount (mg/L)	Peak Area	Peak Height	Limit Exceed
1	3.36	Unknown 1	0.0000	1786087	124936	
2	4.05	chloride	6.1808	108314	11834	
3	4.76	nitrite-n	0.8349	131581	11424	
4	11.09	sulfate	3.2518	23767	1241	



Sample Analysis Report

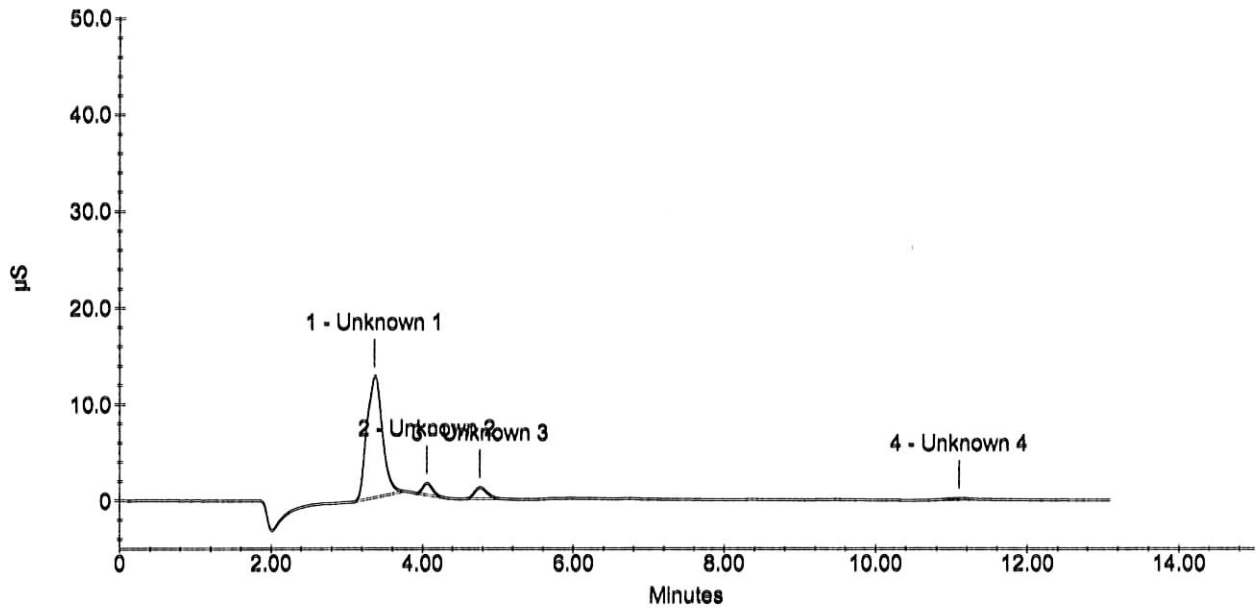
Sample Name : AY03950W01 1/5
Data File Name : i:\dionex\d1anions\data\090924a\090924a_019.DXD

Method File Name : I:\DIONEX\D1ANIONS\METHODS\EPAsufite 08-25-09Low.met
Date Time Collected : 9/24/09 1:39:43 PM
System Operator : pd
Injection Number : 19
Multiplier : 5.00

Peak Information : All Peaks

Peak Number	Peak Retention Time	Component Name	Component Amount (mg/L)	Peak Area	Peak Height	Limit Exceed
1	3.36	Unknown 1	0.000	1786087	124936	
2	4.05	Unknown 2	0.000	108314	11834	
3	4.76	Unknown 3	0.000	131581	11424	
4	11.09	Unknown 4	0.000	23767	1241	

AY03950W01 1/5



APPL, Inc.

Current Date : 10/6/09
Current Time : 10:41:46 AM

Wet Lab Analysis

Air Toxics Ltd.
180 Blue Ravine Rd.
Folsom, CA 95630

APPL Inc.
908 North Temperance Avenue
Clovis, CA 93611

Attn: Ausha Scott

Project: 16512

Sample ID: 102786

APPL ID: AY03951

Sample Collection Date: No Date Specified

ARF: 59854

Method	Analyte	Result	PQL	Units	Prep Date	Analysis Date
EPA 300.0	Fluoride	Not detected	1.0	mg/L	09/24/09	09/24/09
EPA 300.0	Sulfate/Sulfite total	Not detected	5.0	mg/L	09/24/09	09/24/09

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Sample Analysis Report

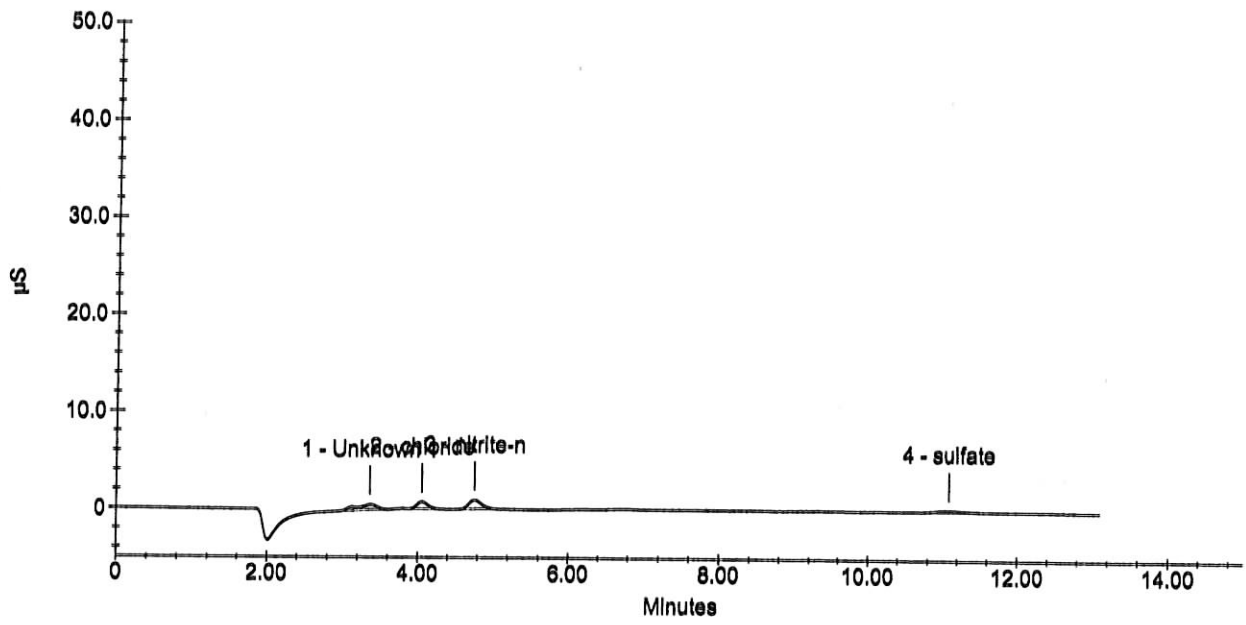
Sample Name : AY03951W01 1/5
Data File Name : i:\dionex\d1anions\data\090924a\090924a_020.DXD

Method File Name : i:\dionex\d1anions\methods\epa300 09-08-09low.met
Date Time Collected : 9/24/09 13:55:26
System Operator : pd
Injection Number : 20
Multiplier : 5.00

Peak Information : All Peaks

Peak Number	Peak Retention Time	Component Name	Component Amount (mg/L)	Peak Area	Peak Height	Limit Exceed
1	3.36	Unknown 1	0.0000	95185	5406	
2	4.05	chloride	5.9184	69973	7110	
3	4.76	nitrite-n	0.7185	102134	8981	
4	11.08	sulfate	3.2861	26869	1407	

AY03951W01 1/5



Sample Analysis Report

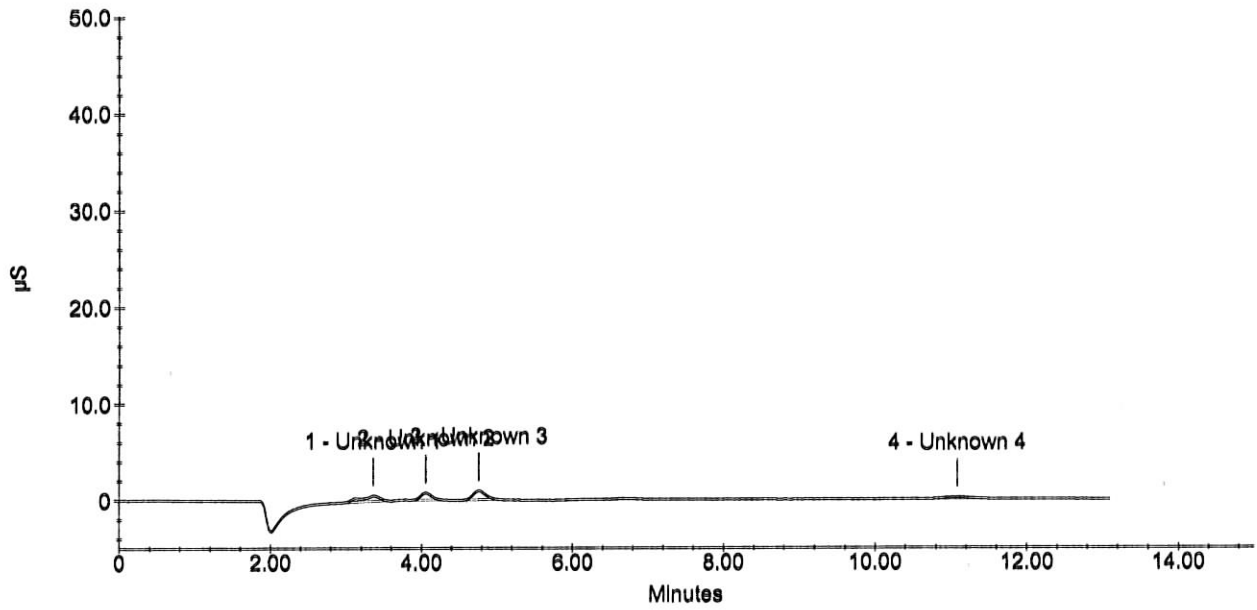
Sample Name : AY03951W01 1/5
Data File Name : i:\dionex\d1anions\data\090924a\090924a_020.DXD

Method File Name : I:\DIONEX\D1ANIONS\METHODS\EPAsufite 08-25-09Low.met
Date Time Collected : 9/24/09 1:55:26 PM
System Operator : pd
Injection Number : 20
Multiplier : 5.00

Peak Information : All Peaks

Peak Number	Peak Retention Time	Component Name	Component Amount (mg/L)	Peak Area	Peak Height	Limit Exceed
1	3.36	Unknown 1	0.000	95185	5406	
2	4.05	Unknown 2	0.000	69973	7110	
3	4.76	Unknown 3	0.000	102134	8981	
4	11.08	Unknown 4	0.000	26869	1407	

AY03951W01 1/5



Wet Lab Analysis

Air Toxics Ltd.
180 Blue Ravine Rd.
Folsom, CA 95630

APPL Inc.
908 North Temperance Avenue
Clovis, CA 93611

Attn: Ausha Scott

Project: 16512

Sample ID: 102787

APPL ID: AY03952

Sample Collection Date: No Date Specified

ARF: 59854

Method	Analyte	Result	PQL	Units	Prep Date	Analysis Date
EPA 300.0	Fluoride	Not detected	1.0	mg/L	09/24/09	09/24/09
EPA 300.0	Sulfate/Sulfite total	Not detected	5.0	mg/L	09/24/09	09/24/09

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Sample Analysis Report

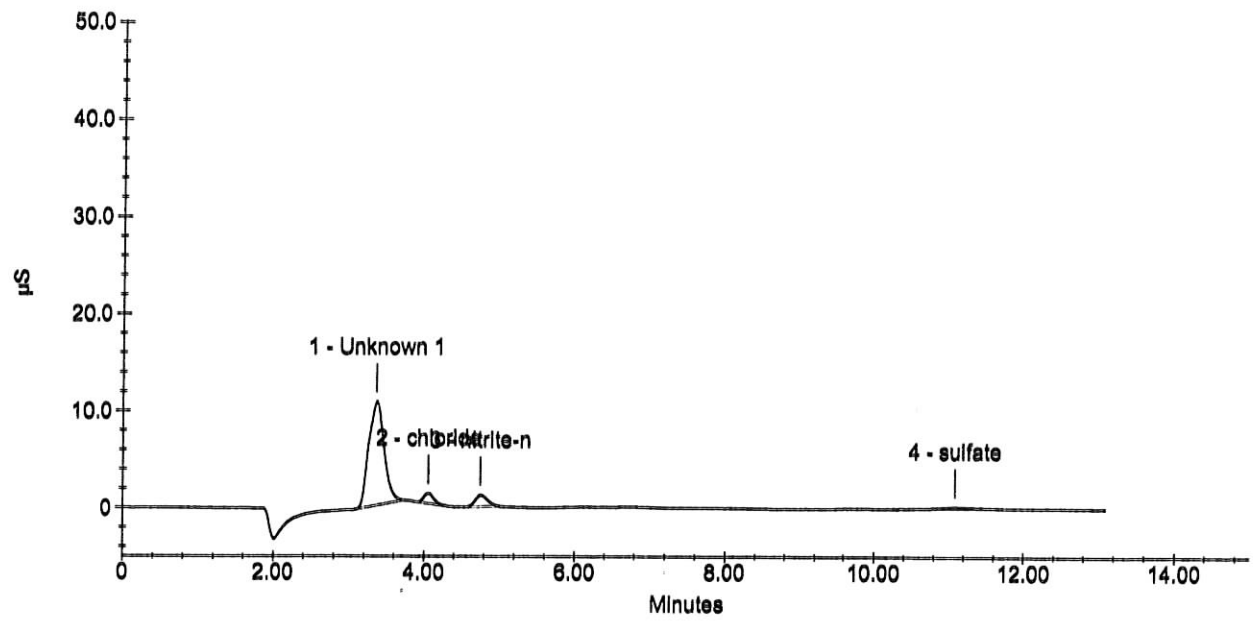
Sample Name : AY03952W01 1/5
Data File Name : i:\dionex\d1anions\data\090924a\090924a_021.DXD

Method File Name : i:\dionex\d1anions\methods\epa300 09-08-09low.met
Date Time Collected : 9/24/09 14:11:10
System Operator : pd
Injection Number : 21
Multiplier : 5.00

Peak Information : All Peaks

Peak Number	Peak Retention Time	Component Name	Component Amount (mg/L)	Peak Area	Peak Height	Limit Exceed
1	3.36	Unknown 1	0.0000	1501242	106308	
2	4.05	chloride	6.0752	92891	10212	
3	4.75	nitrite-n	0.8354	131707	11538	
4	11.08	sulfate	3.2557	24120	1157	

AY03952W01 1/5



Sample Analysis Report

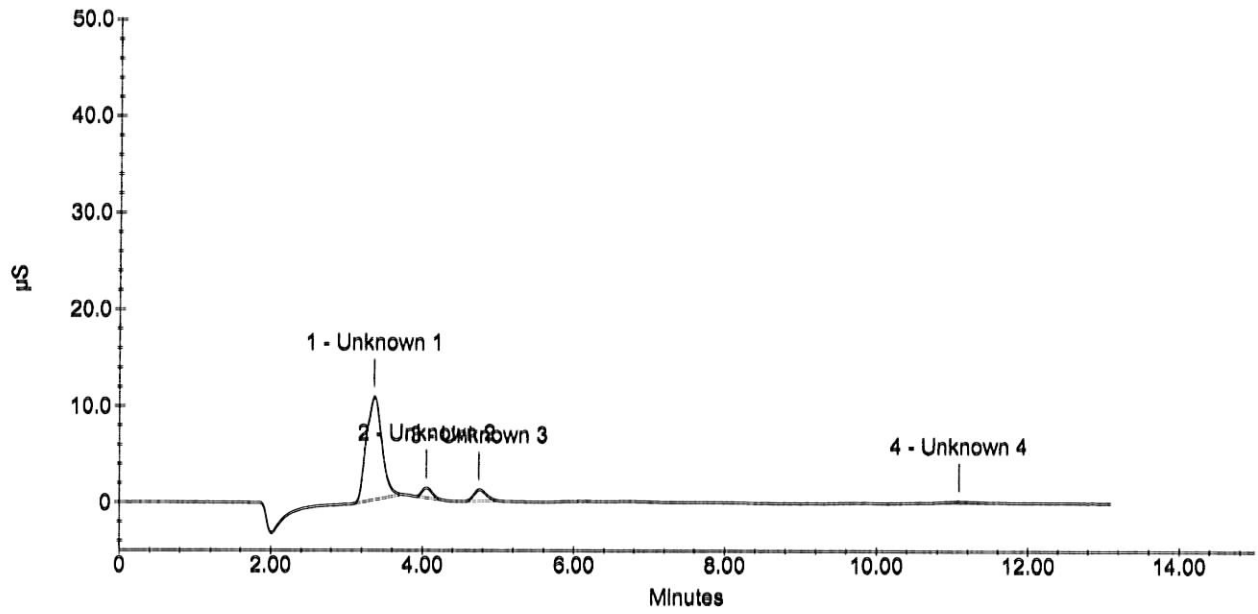
Sample Name : AY03952W01 1/5
Data File Name : i:\dionex\d1anions\data\090924a\090924a_021.DXD

Method File Name : I:\DIONEX\D1ANIONS\METHODS\EPAsufite 08-25-09Low.met
Date Time Collected : 9/24/09 2:11:10 PM
System Operator : pd
Injection Number : 21
Multiplier : 5.00

Peak Information : All Peaks

Peak Number	Peak Retention Time	Component Name	Component Amount (mg/L)	Peak Area	Peak Height	Limit Exceed
1	3.36	Unknown 1	0.000	1501242	106308	
2	4.05	Unknown 2	0.000	92891	10212	
3	4.75	Unknown 3	0.000	131707	11538	
4	11.08	Unknown 4	0.000	24120	1157	

AY03952W01 1/5



APPL, Inc.

Current Date : 10/6/09
Current Time : 10:41:59 AM

Wet Lab Analysis

Air Toxics Ltd.
180 Blue Ravine Rd.
Folsom, CA 95630

APPL Inc.
908 North Temperance Avenue
Clovis, CA 93611

Attn: Ausha Scott

Project: 16512

Sample ID: 102788
Sample Collection Date: No Date Specified

APPL ID: AY03953
ARF: 59854

Method	Analyte	Result	PQL	Units	Prep Date	Analysis Date
EPA 300.0	Fluoride	Not detected	1.0	mg/L	09/24/09	09/24/09
EPA 300.0	Sulfate/Sulfite total	Not detected	5.0	mg/L	09/24/09	09/24/09

Form 1 - APPL Standard Wetlab - No MC
Printed: 10/07/09 4:41:22 PM

Sample Analysis Report

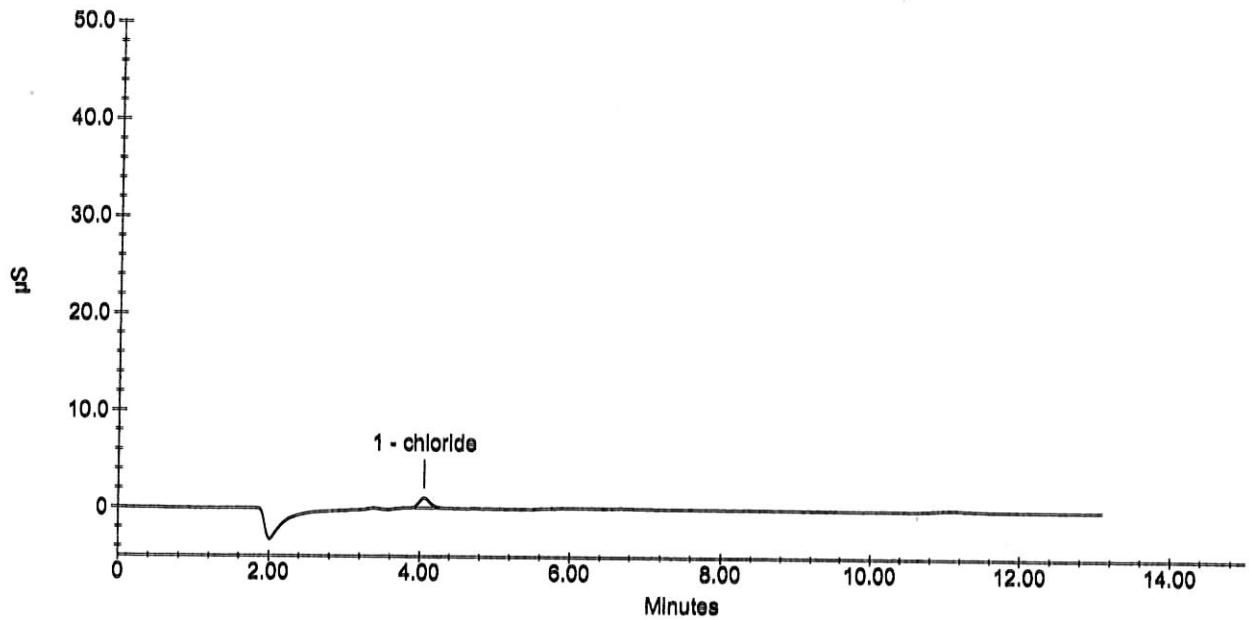
Sample Name : AY03953W01 1/5
Data File Name : i:\dionex\d1anions\data\090924a\090924a_022.DXD

Method File Name : i:\dionex\d1anions\methods\epa300 09-08-09low.met
Date Time Collected : 9/24/09 14:26:53
System Operator : pd
Injection Number : 22
Multiplier : 5.00

Peak Information : All Peaks

Peak Number	Peak Retention Time	Component Name	Component Amount (mg/L)	Peak Area	Peak Height	Limit Exceed
1	4.05	chloride	6.1106	98053	10053	

AY03953W01 1/5



Sample Analysis Report

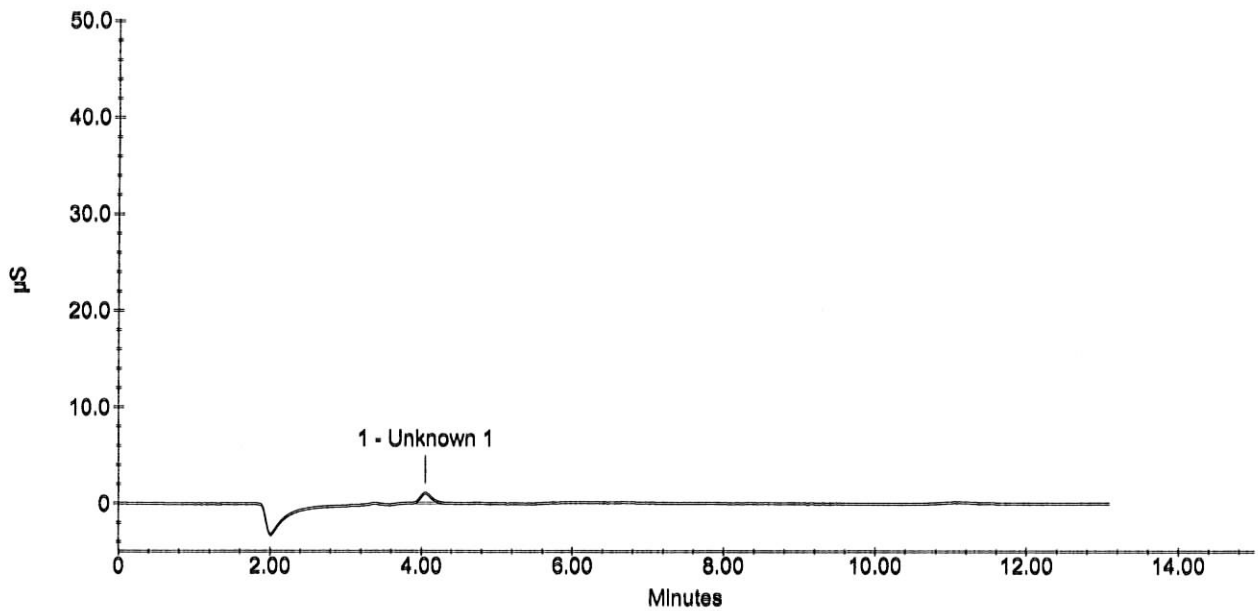
Sample Name : AY03953W01 1/5
Data File Name : i:\dionex\d1anions\data\090924a\090924a_022.DXD

Method File Name : I:\DIONEX\D1ANIONS\METHODS\EPAsufite 08-25-09Low.met
Date Time Collected : 9/24/09 2:26:53 PM
System Operator : pd
Injection Number : 22
Multiplier : 5.00

Peak Information : All Peaks

Peak Number	Peak Retention Time	Component Name	Component Amount (mg/L)	Peak Area	Peak Height	Limit Exceed
1	4.05	Unknown 1	0.000	98053	10053	

AY03953W01 1/5



Wet Lab Analysis

Air Toxics Ltd.
180 Blue Ravine Rd.
Folsom, CA 95630

APPL Inc.
908 North Temperance Avenue
Clovis, CA 93611

Attn: Ausha Scott

Project: 16512

Sample ID: 105647

APPL ID: AY03954

Sample Collection Date: No Date Specified

ARF: 59854

Method	Analyte	Result	PQL	Units	Prep Date	Analysis Date
EPA 300.0	Fluoride	Not detected	1.0	mg/L	09/24/09	09/24/09
EPA 300.0	Sulfate/Sulfite total	Not detected	5.0	mg/L	09/24/09	09/24/09

Form 1 - APPL Standard Wetlab - No MC
Printed: 10/07/09 4:41:22 PM

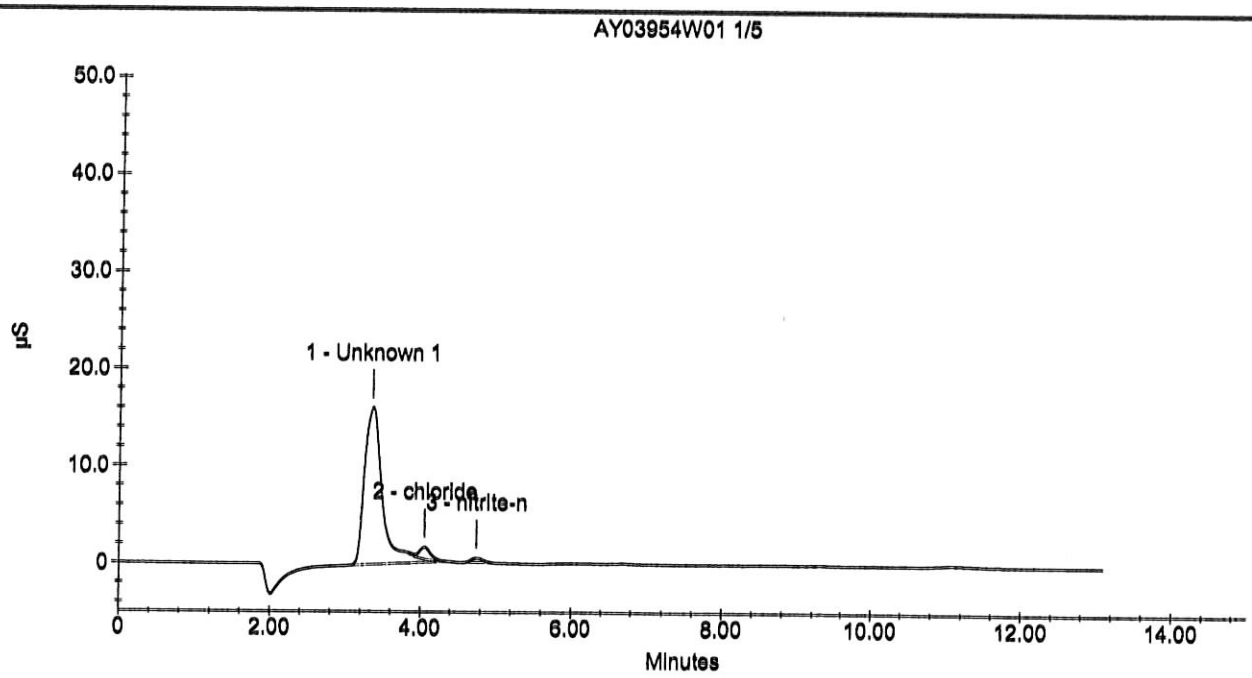
Sample Analysis Report

Sample Name : AY03954W01 1/5
Data File Name : i:\dionex\d1anions\data\090924a\090924a_023.DXD

Method File Name : i:\dionex\d1anions\methods\epa300 09-08-09low.met
Date Time Collected : 9/24/09 14:42:32
System Operator : pd
Injection Number : 23
Multiplier : 5.00

Peak Information : All Peaks

Peak Number	Peak Retention Time	Component Name	Component Amount (mg/L)	Peak Area	Peak Height	Limit Exceed
1	3.35	Unknown 1	0.0000	2683473	160439	
2	4.05	chloride	6.3164	128129	12364	
3	4.75	nitrite-n	0.5012	47180	4396	



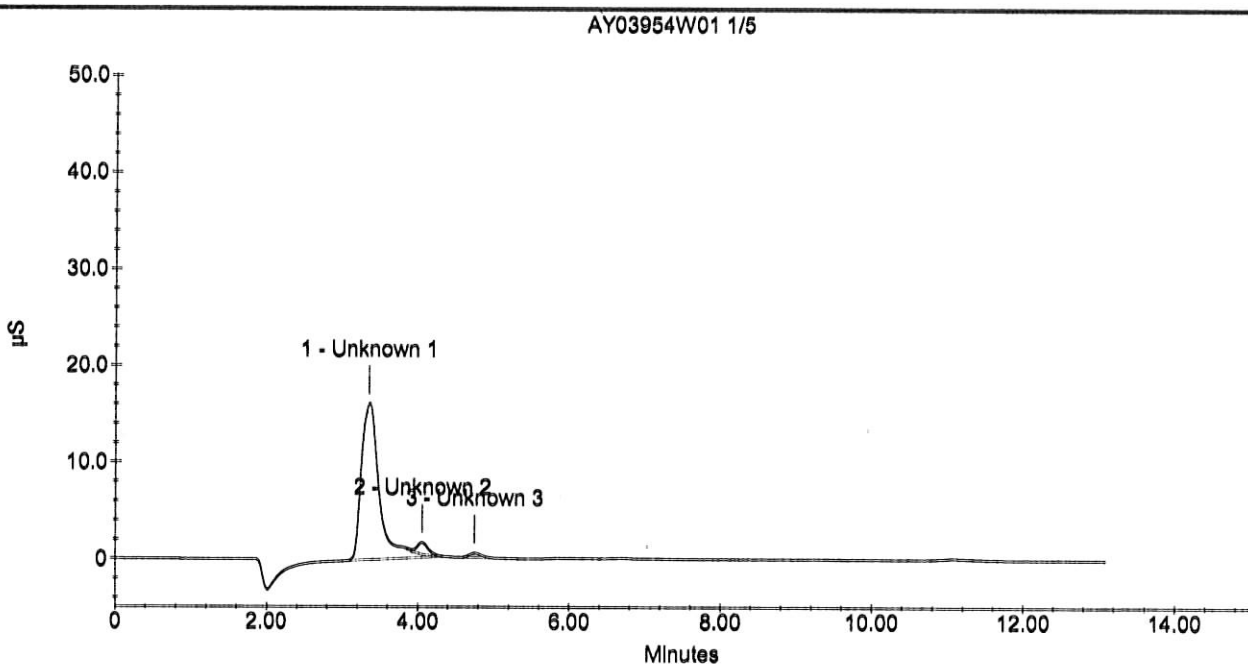
Sample Analysis Report

Sample Name : AY03954W01 1/5
Data File Name : i:\dionex\d1anions\data\090924a\090924a_023.DXD

Method File Name : I:\DIONEX\D1ANIONS\METHODS\EPAsufite 08-25-09Low.met
Date Time Collected : 9/24/09 2:42:32 PM
System Operator : pd
Injection Number : 23
Multiplier : 5.00

Peak Information : All Peaks

Peak Number	Peak Retention Time	Component Name	Component Amount (mg/L)	Peak Area	Peak Height	Limit Exceed
1	3.35	Unknown 1	0.000	2683473	160439	
2	4.05	Unknown 2	0.000	128129	12364	
3	4.75	Unknown 3	0.000	47180	4396	



Wet Lab Analysis

Air Toxics Ltd.
180 Blue Ravine Rd.
Folsom, CA 95630

APPL Inc.
908 North Temperance Avenue
Clovis, CA 93611

Attn: Ausha Scott

Project: 16512

Sample ID: 105648

APPL ID: AY03955

Sample Collection Date: No Date Specified

ARF: 59854

Method	Analyte	Result	PQL	Units	Prep Date	Analysis Date
EPA 300.0	Fluoride	Not detected	1.0	mg/L	09/24/09	09/24/09
EPA 300.0	Sulfate/Sulfite total	Not detected	5.0	mg/L	09/24/09	09/24/09

Form 1 - APPL Standard Wetlab - No MC
Printed: 10/07/09 4:41:22 PM

Sample Analysis Report

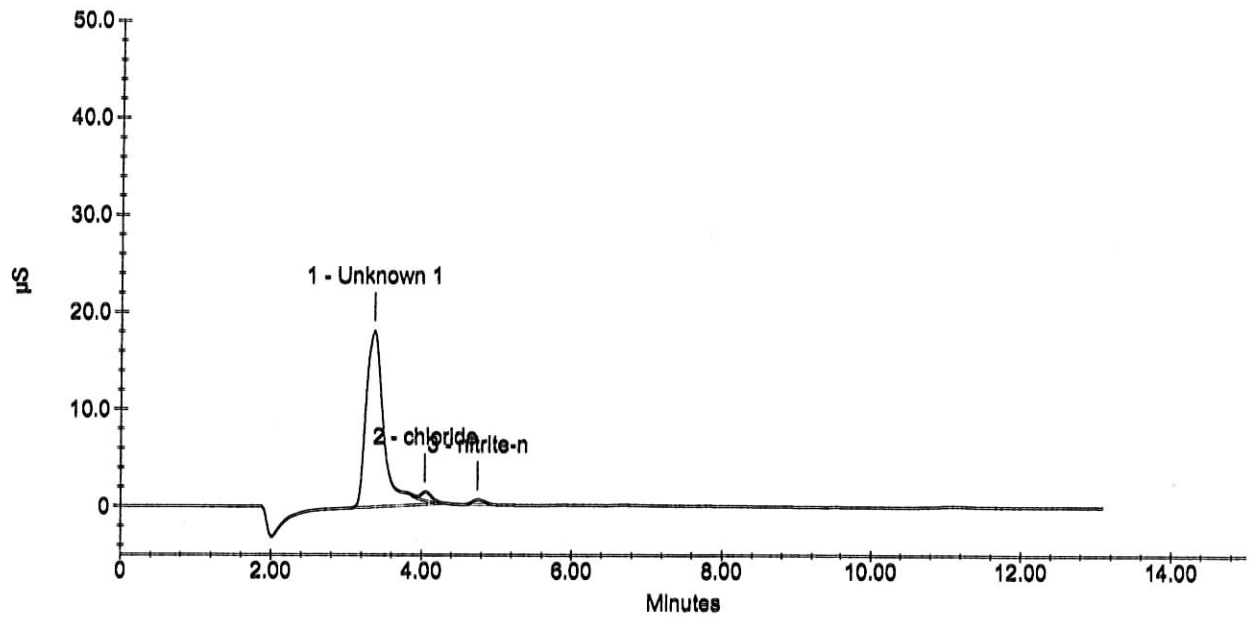
Sample Name : AY03955W01 1/5
Data File Name : i:\dionex\d1anions\data\090924a\090924a_024.DXD

Method File Name : i:\dionex\d1anions\methods\epa300 09-08-09low.met
Date Time Collected : 9/24/09 14:58:15
System Operator : pd
Injection Number : 24
Multiplier : 5.00

Peak Information : All Peaks

Peak Number	Peak Retention Time	Component Name	Component Amount (mg/L)	Peak Area	Peak Height	Limit Exceed
1	3.36	Unknown 1	0.0000	2995240	180612	
2	4.04	chloride	6.1062	97414	9248	
3	4.75	nitrite-n	0.5117	49839	4766	

AY03955W01 1/5



Sample Analysis Report

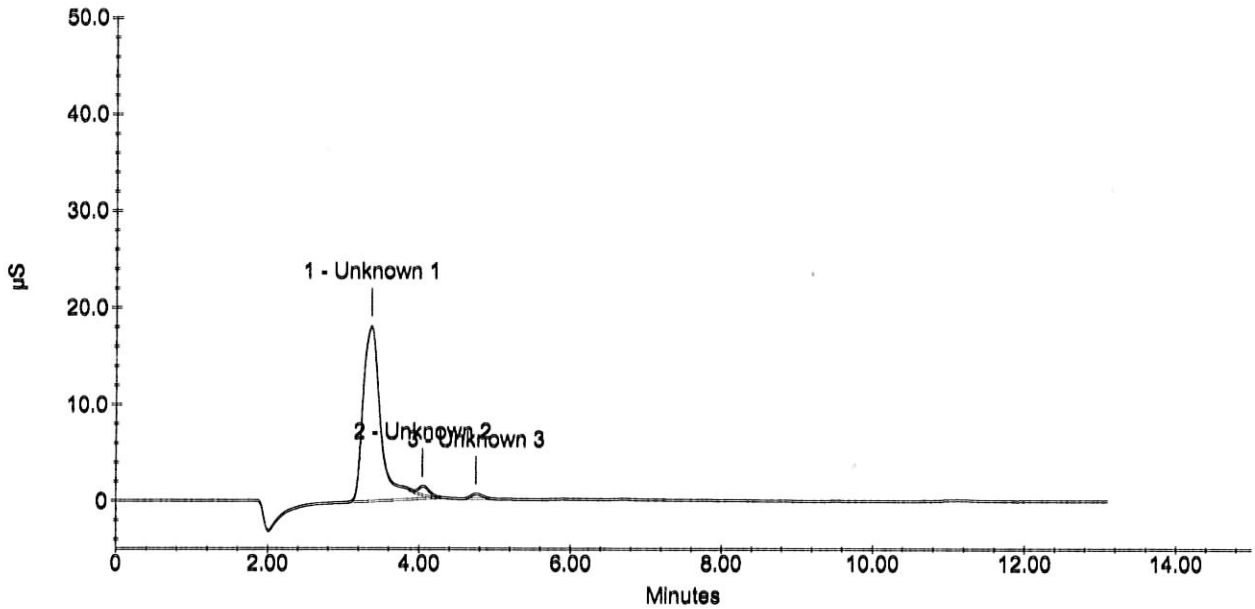
Sample Name : AY03955W01 1/5
Data File Name : i:\dionex\d1anions\data\090924a\090924a_024.DXD

Method File Name : I:\DIONEX\D1ANIONS\METHODS\EPAsufite 08-25-09Low.met
Date Time Collected : 9/24/09 2:58:15 PM
System Operator : pd
Injection Number : 24
Multiplier : 5.00

Peak Information : All Peaks

Peak Number	Peak Retention Time	Component Name	Component Amount (mg/L)	Peak Area	Peak Height	Limit Exceed
1	3.36	Unknown 1	0.000	2995240	180612	
2	4.04	Unknown 2	0.000	97414	9248	
3	4.75	Unknown 3	0.000	49839	4766	

AY03955W01 1/5



Wet Lab Analysis

Air Toxics Ltd.
180 Blue Ravine Rd.
Folsom, CA 95630

APPL Inc.
908 North Temperance Avenue
Clovis, CA 93611

Attn: Ausha Scott

Project: 16512

Sample ID: 105649

APPL ID: AY03956

Sample Collection Date: No Date Specified

ARF: 59854

Method	Analyte	Result	PQL	Units	Prep Date	Analysis Date
EPA 300.0	Fluoride	Not detected	1.0	mg/L	09/24/09	09/24/09
EPA 300.0	Sulfate/Sulfite total	Not detected	5.0	mg/L	09/24/09	09/24/09

Form 1 - APPL Standard Wetlab - No MC
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Sample Analysis Report

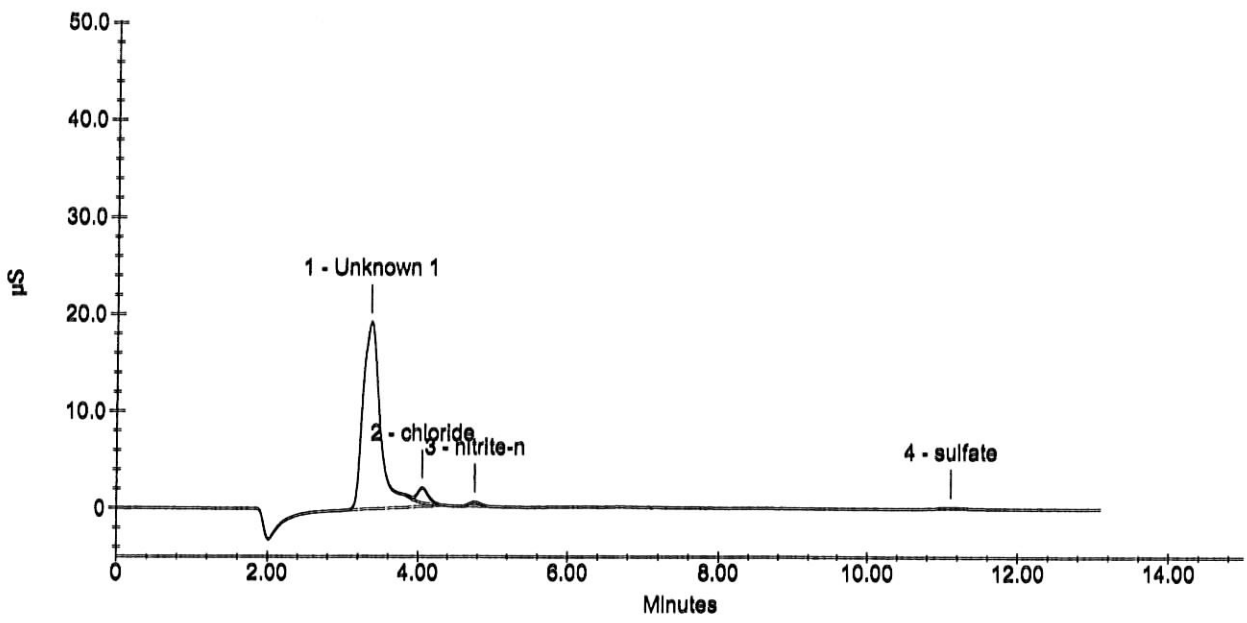
Sample Name : AY03956W01 1/5
Data File Name : i:\dionex\d1anions\data\090924a\090924a_025.DXD

Method File Name : i:\dionex\d1anions\methods\epa300 09-08-09low.met
Date Time Collected : 9/24/09 15:13:57
System Operator : pd
Injection Number : 25
Multiplier : 5.00

Peak Information : All Peaks

Peak Number	Peak Retention Time	Component Name	Component Amount (mg/L)	Peak Area	Peak Height	Limit Exceed
1	3.36	Unknown 1	0.0000	3170998	191649	
2	4.05	chloride	6.5302	159361	15171	
3	4.76	nitrite-n	0.4859	43323	4173	
4	11.11	sulfate	3.1533	14860	882	

AY03956W01 1/5



Sample Analysis Report

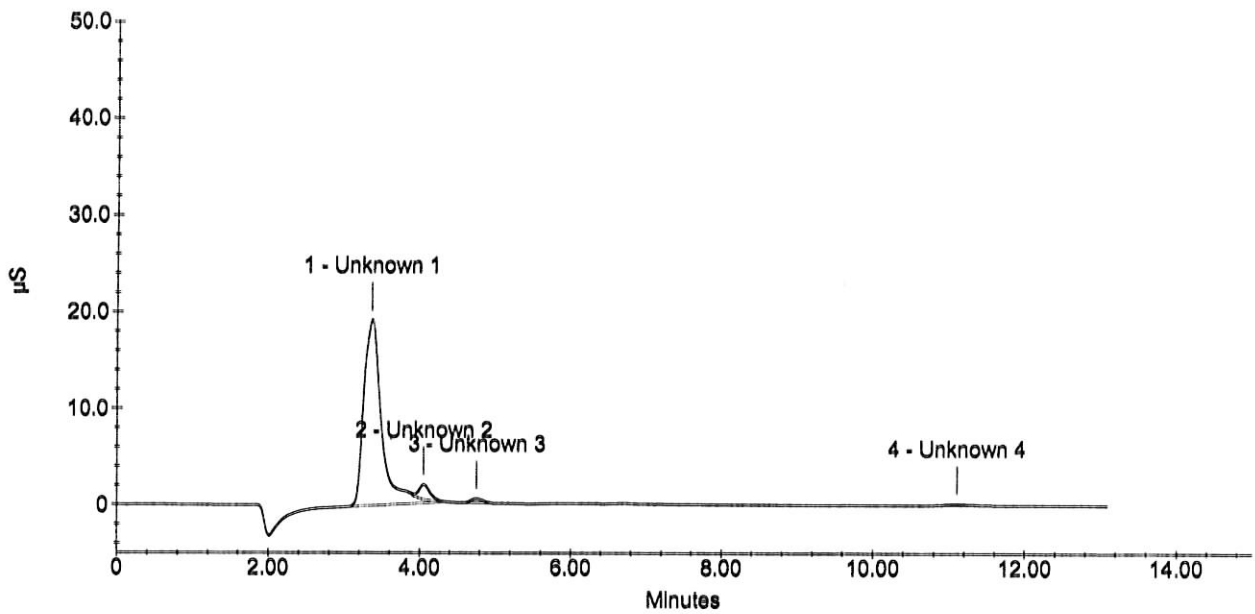
Sample Name : AY03956W01 1/5
Data File Name : i:\dionex\d1anions\data\090924a\090924a_025.DXD

Method File Name : I:\DIONEX\D1ANIONS\METHODS\EPAsufite 08-25-09Low.met
Date Time Collected : 9/24/09 3:13:57 PM
System Operator : pd
Injection Number : 25
Multiplier : 5.00

Peak Information : All Peaks

Peak Number	Peak Retention Time	Component Name	Component Amount (mg/L)	Peak Area	Peak Height	Limit Exceed
1	3.36	Unknown 1	0.000	3170998	191649	
2	4.05	Unknown 2	0.000	159361	15171	
3	4.76	Unknown 3	0.000	43323	4173	
4	11.11	Unknown 4	0.000	14860	882	

AY03956W01 1/5



Wet Lab Analysis

Air Toxics Ltd.
180 Blue Ravine Rd.
Folsom, CA 95630

APPL Inc.
908 North Temperance Avenue
Clovis, CA 93611

Attn: Ausha Scott

Project: 16512

Sample ID: 105650

APPL ID: AY03957

Sample Collection Date: No Date Specified

ARF: 59854

Method	Analyte	Result	PQL	Units	Prep Date	Analysis Date
EPA 300.0	Fluoride	Not detected	1.0	mg/L	09/24/09	09/24/09
EPA 300.0	Sulfate/Sulfite total	Not detected	5.0	mg/L	09/24/09	09/24/09

Sample Analysis Report

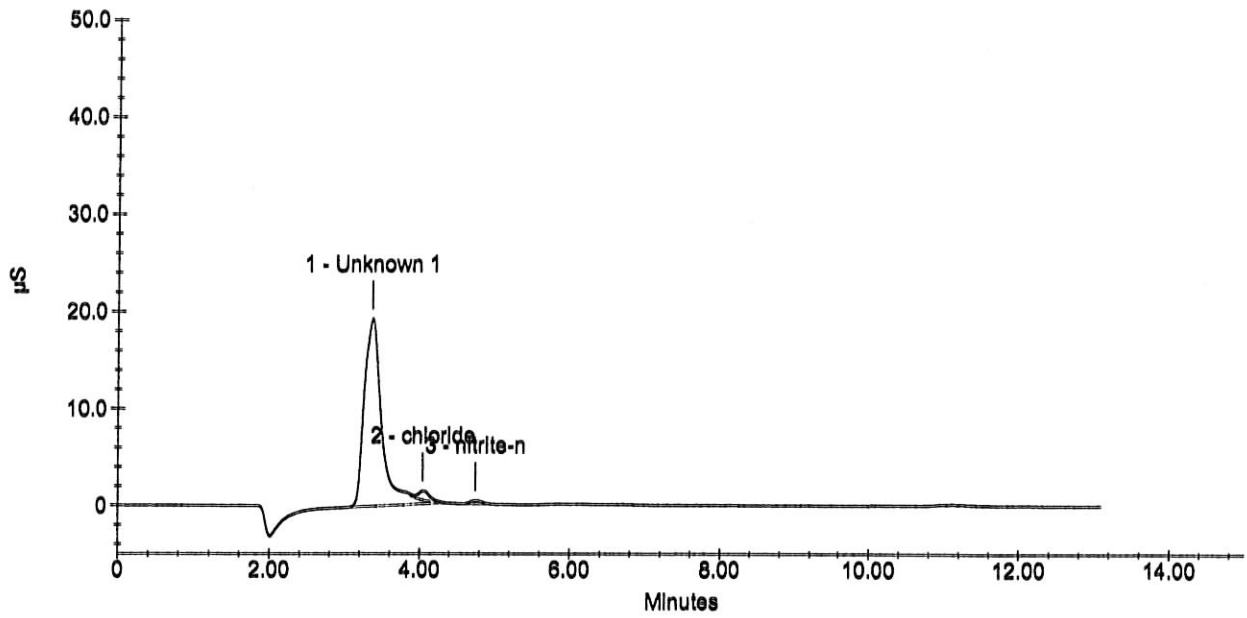
Sample Name : AY03957W01 1/5
Data File Name : i:\dionex\d1anions\data\090924a\090924a_026.DXD

Method File Name : i:\dionex\d1anions\methods\epa300 09-08-09low.met
Date Time Collected : 9/24/09 15:29:41
System Operator : pd
Injection Number : 26
Multiplier : 5.00

Peak Information : All Peaks

Peak Number	Peak Retention Time	Component Name	Component Amount (mg/L)	Peak Area	Peak Height	Limit Exceed
1	3.36	Unknown 1	0.0000	3159013	192023	
2	4.04	chloride	6.1399	102337	9455	
3	4.75	nitrite-n	0.4486	33880	3193	

AY03957W01 1/5



Sample Analysis Report

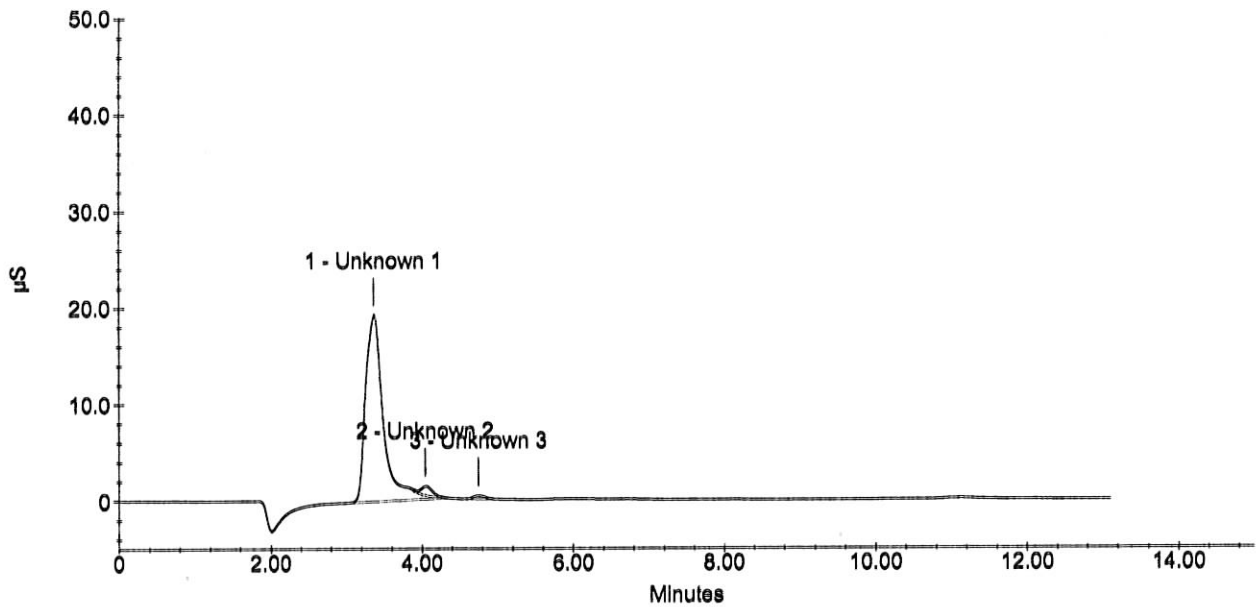
Sample Name : AY03957W01 1/5
Data File Name : i:\dionex\d1anions\data\090924a\090924a_026.DXD

Method File Name : I:\DIONEX\D1ANIONS\METHODS\EPAsufite 08-25-09Low.met
Date Time Collected : 9/24/09 3:29:41 PM
System Operator : pd
Injection Number : 26
Multiplier : 5.00

Peak Information : All Peaks

Peak Number	Peak Retention Time	Component Name	Component Amount (mg/L)	Peak Area	Peak Height	Limit Exceed
1	3.36	Unknown 1	0.000	3159013	192023	
2	4.04	Unknown 2	0.000	102337	9455	
3	4.75	Unknown 3	0.000	33880	3193	

AY03957W01 1/5



Wet Lab Analysis

Air Toxics Ltd.
180 Blue Ravine Rd.
Folsom, CA 95630

APPL Inc.
908 North Temperance Avenue
Clovis, CA 93611

Attn: Ausha Scott

Project: 16512

Sample ID: 105651

APPL ID: AY03958

Sample Collection Date: No Date Specified

ARF: 59854

Method	Analyte	Result	PQL	Units	Prep Date	Analysis Date
EPA 300.0	Fluoride	Not detected	1.0	mg/L	09/25/09	09/25/09
EPA 300.0	Sulfate/Sulfite total	Not detected	5.0	mg/L	09/25/09	09/25/09

Form 1 - APPL Standard Wetlab - No MC
Printed: 10/07/09 4:41:22 PM

Sample Analysis Report

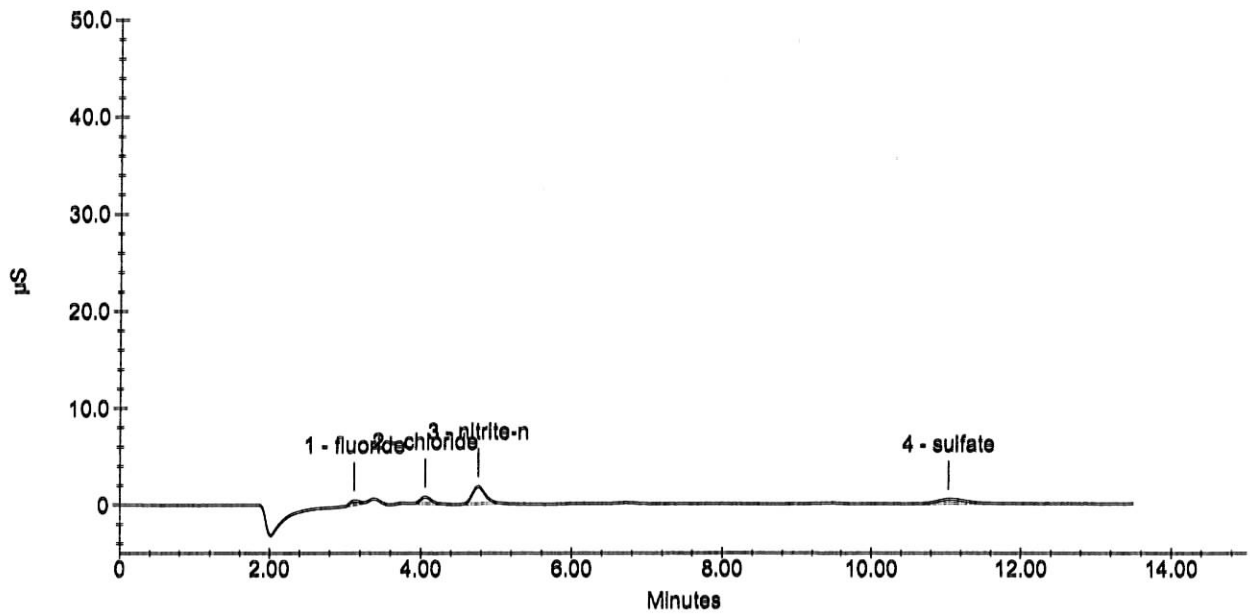
Sample Name : AY03958W01 1/5
Data File Name : i:\dionex\d1anions\data\090925a\090925a_009.DXD

Method File Name : i:\dionex\d1anions\methods\epa300 09-08-09low.met
Date Time Collected : 9/25/09 10:04:42
System Operator : pd
Injection Number : 9
Multiplier : 5.00

Peak Information : All Peaks

Peak Number	Peak Retention Time	Component Name	Component Amount (mg/L)	Peak Area	Peak Height	Limit Exceed
1	3.12	fluoride	0.5679	30164	3890	
2	4.05	chloride	5.8687	62716	6634	
3	4.76	nitrite-n	1.1220	204183	17394	
4	11.03	sulfate	4.1762	107401	4249	

AY03958W01 1/5



Sample Analysis Report

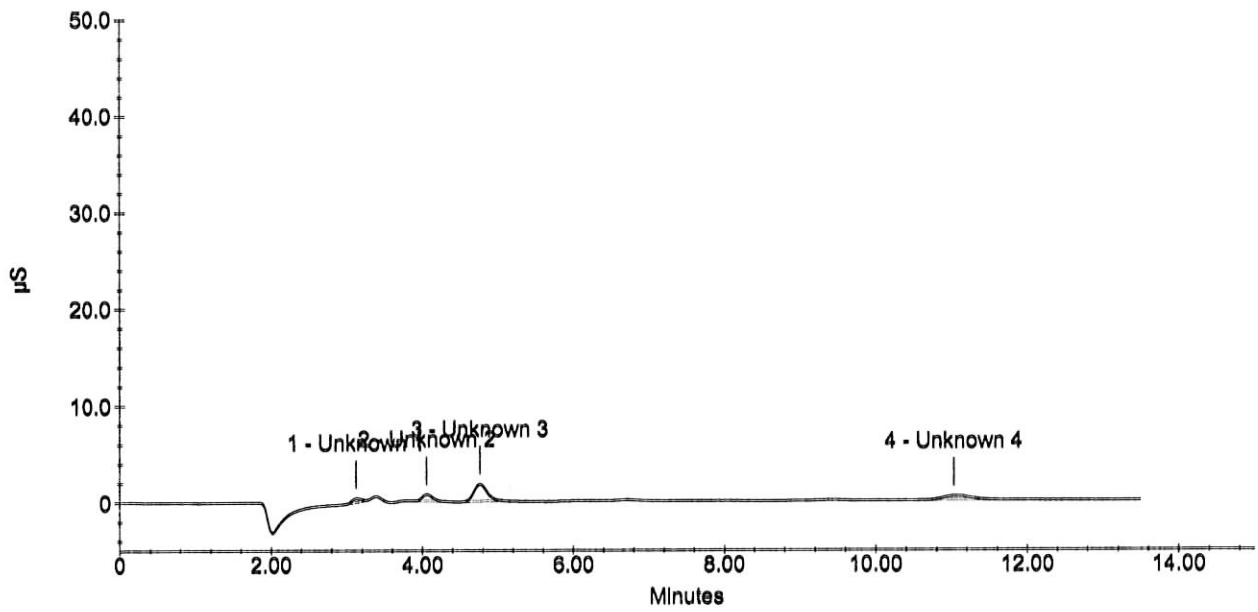
Sample Name : AY03958W01 1/5
Data File Name : I:\Dionex\D1Anions\data\090925a\090925a_009.DXD

Method File Name : I:\DIONEX\D1ANIONS\METHODS\EPAsufite 08-25-09Low.met
Date Time Collected : 9/25/09 10:04:42 AM
System Operator : pd
Injection Number : 9
Multiplier : 5.00

Peak Information : All Peaks

Peak Number	Peak Retention Time	Component Name	Component Amount (mg/L)	Peak Area	Peak Height	Limit Exceed
1	3.12	Unknown 1	0.000	30164	3890	
2	4.05	Unknown 2	0.000	62716	6634	
3	4.76	Unknown 3	0.000	204183	17394	
4	11.03	Unknown 4	0.000	107401	4249	

AY03958W01 1/5



Wet Lab Analysis

Air Toxics Ltd.
180 Blue Ravine Rd.
Folsom, CA 95630

APPL Inc.
908 North Temperance Avenue
Clovis, CA 93611

Attn: Ausha Scott

Project: 16512

Sample ID: 105652

Sample Collection Date: No Date Specified

APPL ID: AY03959

ARF: 59854

Method	Analyte	Result	PQL	Units	Prep Date	Analysis Date
EPA 300.0	Fluoride	Not detected	1.0	mg/L	09/25/09	09/25/09
EPA 300.0	Sulfate/Sulfite total	Not detected	5.0	mg/L	09/25/09	09/25/09

Sample Analysis Report

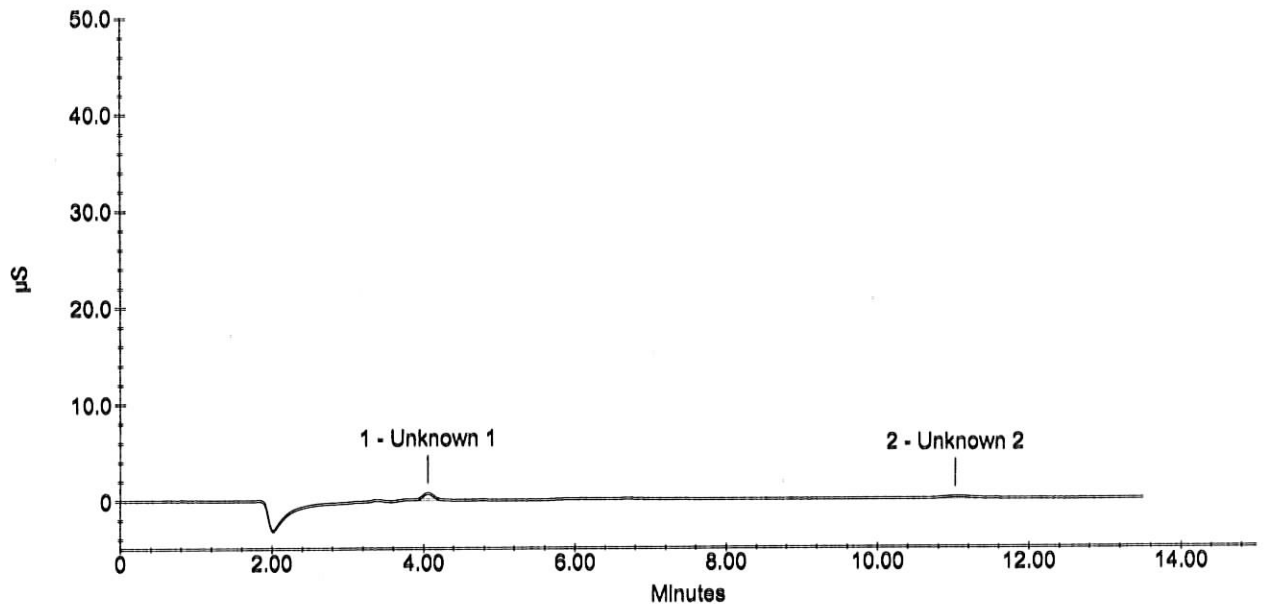
Sample Name : AY03959W01 1/5
Data File Name : I:\Dionex\D1Anions\data\090925a\090925a_010.DXD

Method File Name : I:\DIONEX\D1ANIONS\METHODS\EPAsufite 08-25-09Low.met
Date Time Collected : 9/25/09 10:20:50 AM
System Operator : pd
Injection Number : 10
Multiplier : 5.00

Peak Information : All Peaks

Peak Number	Peak Retention Time	Component Name	Component Amount (mg/L)	Peak Area	Peak Height	Limit Exceed
1	4.05	Unknown 1	0.000	60546	6491	
2	11.03	Unknown 2	0.000	26543	1324	

AY03959W01 1/5



Wet Lab Analysis

Air Toxics Ltd.
180 Blue Ravine Rd.
Folsom, CA 95630

APPL Inc.
908 North Temperance Avenue
Clovis, CA 93611

Attn: Ausha Scott

Project: 16512

Sample ID: 102831

APPL ID: AY03960

Sample Collection Date: No Date Specified

ARF: 59854

Method	Analyte	Result	PQL	Units	Prep Date	Analysis Date
EPA 300.0	Fluoride	Not detected	1.0	mg/L	09/25/09	09/25/09
EPA 300.0	Sulfate/Sulfite total	Not detected	5.0	mg/L	09/25/09	09/25/09

Form 1 - APPL Standard Wetlab - No MC
Printed: 10/07/09 4:41:22 PM

Sample Analysis Report

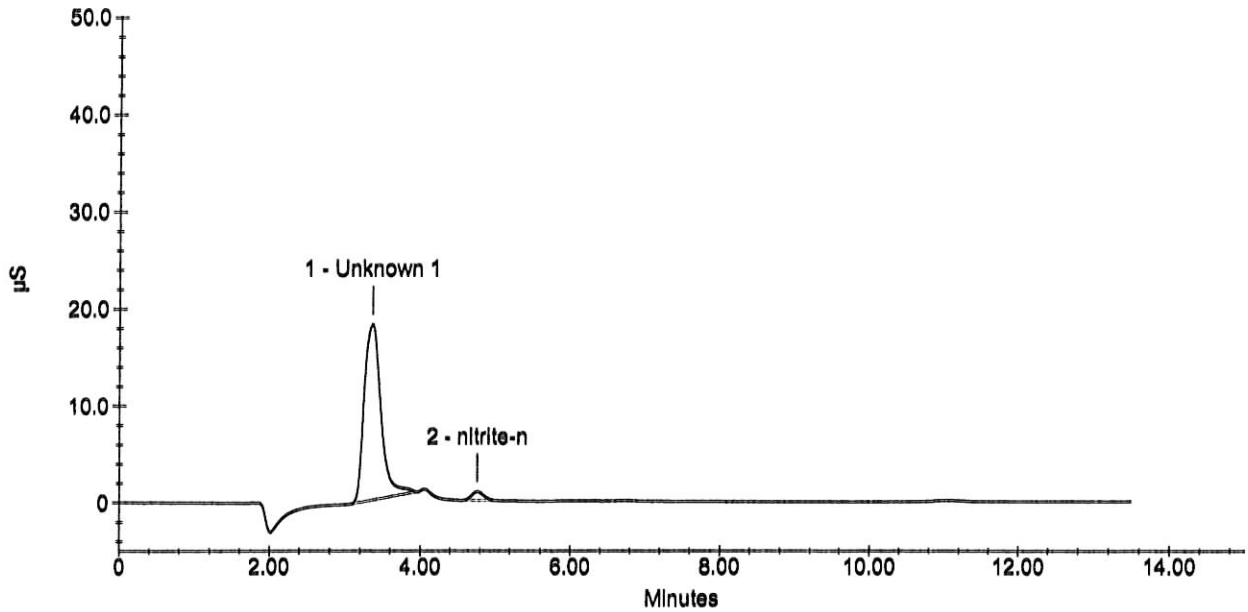
Sample Name : AY03960W01 1/5
Data File Name : i:\dionex\d1anions\data\090925a\090925a_011.DXD

Method File Name : i:\dionex\d1anions\methods\epa300 09-08-09low.met
Date Time Collected : 9/25/09 10:36:56
System Operator : pd
Injection Number : 11
Multiplier : 5.00

Peak Information : All Peaks

Peak Number	Peak Retention Time	Component Name	Component Amount (mg/L)	Peak Area	Peak Height	Limit Exceed
1	3.36	Unknown 1	0.0000	2793021	181121	
2	4.76	nitrite-n	0.6998	97415	8768	

AY03960W01 1/5



Sample Analysis Report

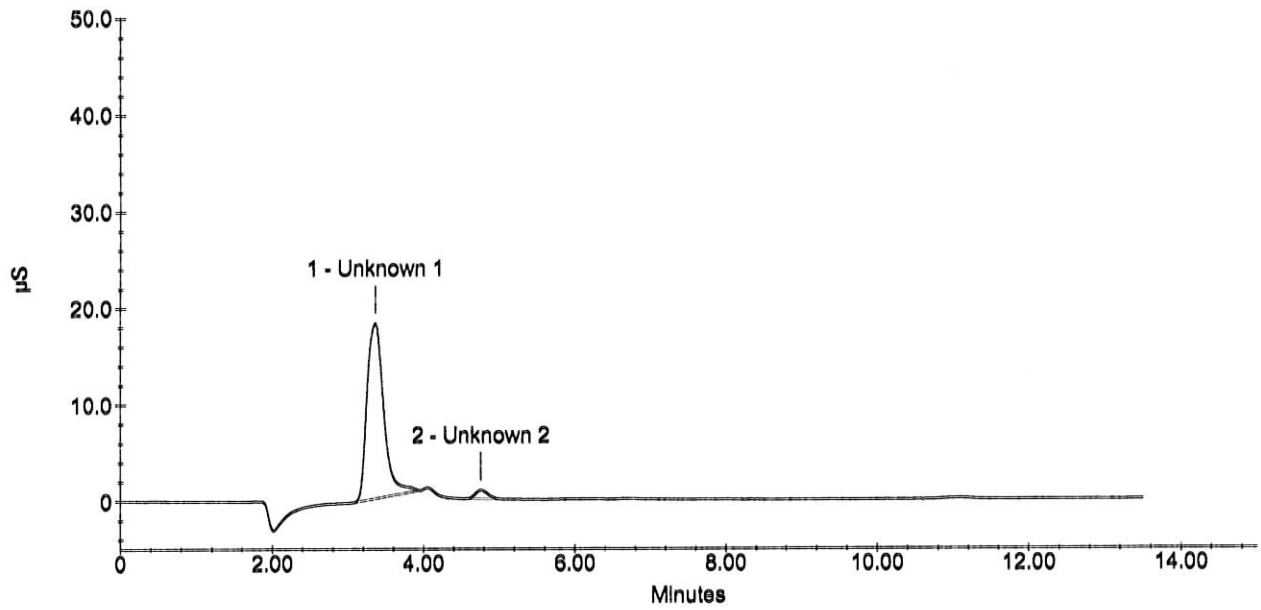
Sample Name : AY03960W01 1/5
Data File Name : I:\Dionex\D1Anions\data\090925a\090925a_011.DXD

Method File Name : I:\DIONEX\D1ANIONS\METHODS\EPAsufite 08-25-09Low.met
Date Time Collected : 9/25/09 10:36:56 AM
System Operator : pd
Injection Number : 11
Multiplier : 5.00

Peak Information : All Peaks

Peak Number	Peak Retention Time	Component Name	Component Amount (mg/L)	Peak Area	Peak Height	Limit Exceed
1	3.36	Unknown 1	0.000	2793021	181121	
2	4.76	Unknown 2	0.000	97415	8768	

AY03960W01 1/5



Wet Lab Analysis

Air Toxics Ltd.
180 Blue Ravine Rd.
Folsom, CA 95630

APPL Inc.
908 North Temperance Avenue
Clovis, CA 93611

Attn: Ausha Scott

Project: 16512

Sample ID: 102832

APPL ID: AY03961

Sample Collection Date: No Date Specified

ARF: 59854

Method	Analyte	Result	PQL	Units	Prep Date	Analysis Date
EPA 300.0	Fluoride	Not detected	1.0	mg/L	09/25/09	09/25/09
EPA 300.0	Sulfate/Sulfite total	Not detected	5.0	mg/L	09/25/09	09/25/09

Sample Analysis Report

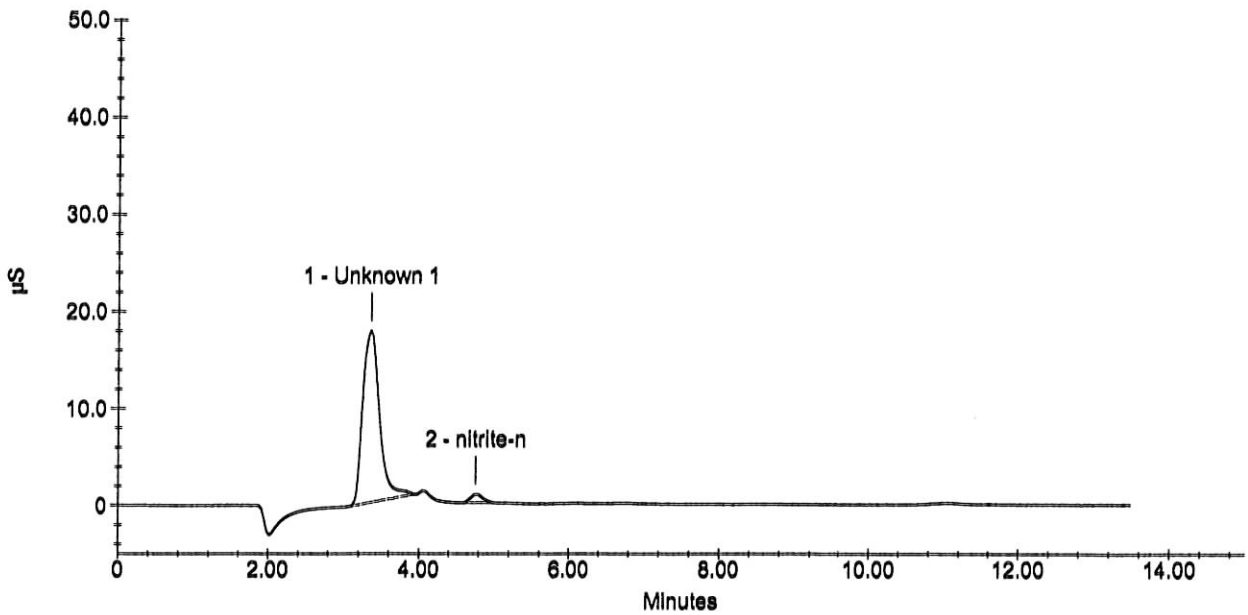
Sample Name : AY03961W01 1/5
Data File Name : i:\dionex\d1anions\data\090925a\090925a_012.DXD

Method File Name : i:\dionex\d1anions\methods\epa300 09-08-09low.met
Date Time Collected : 9/25/09 10:53:03
System Operator : pd
Injection Number : 12
Multiplier : 5.00

Peak Information : All Peaks

Peak Number	Peak Retention Time	Component Name	Component Amount (mg/L)	Peak Area	Peak Height	Limit Exceed
1	3.36	Unknown 1	0.0000	2729235	176157	
2	4.76	nitrite-n	0.6989	97179	8631	

AY03961W01 1/5



Sample Analysis Report

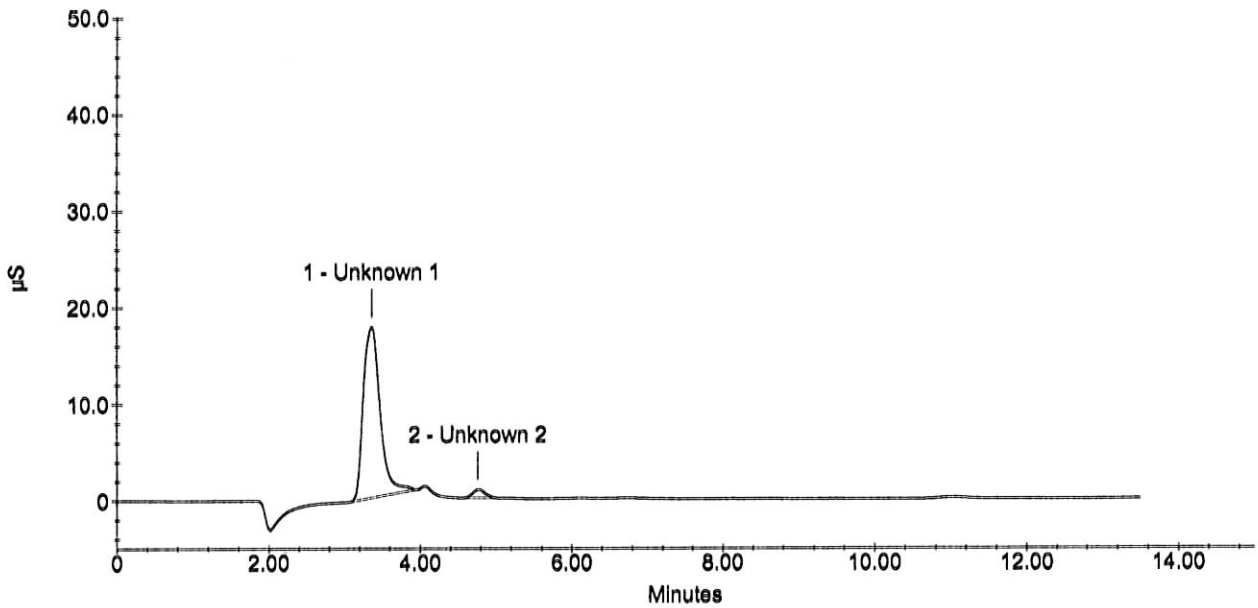
Sample Name : AY03961W01 1/5
Data File Name : I:\Dionex\D1Anions\data\090925a\090925a_012.DXD

Method File Name : I:\DIONEX\D1ANIONS\METHODS\EPAsufite 08-25-09Low.met
Date Time Collected : 9/25/09 10:53:03 AM
System Operator : pd
Injection Number : 12
Multiplier : 5.00

Peak Information : All Peaks

Peak Number	Peak Retention Time	Component Name	Component Amount (mg/L)	Peak Area	Peak Height	Limit Exceed
1	3.36	Unknown 1	0.000	2729235	176157	
2	4.76	Unknown 2	0.000	97179	8631	

AY03961W01 1/5



Wet Lab Analysis

Air Toxics Ltd.
180 Blue Ravine Rd.
Folsom, CA 95630

APPL Inc.
908 North Temperance Avenue
Clovis, CA 93611

Attn: Ausha Scott

Project: 16512

Sample ID: 102833

APPL ID: AY03962

Sample Collection Date: No Date Specified

ARF: 59854

Method	Analyte	Result	PQL	Units	Prep Date	Analysis Date
EPA 300.0	Fluoride	Not detected	1.0	mg/L	09/25/09	09/25/09
EPA 300.0	Sulfate/Sulfite total	Not detected	5.0	mg/L	09/25/09	09/25/09

Sample Analysis Report

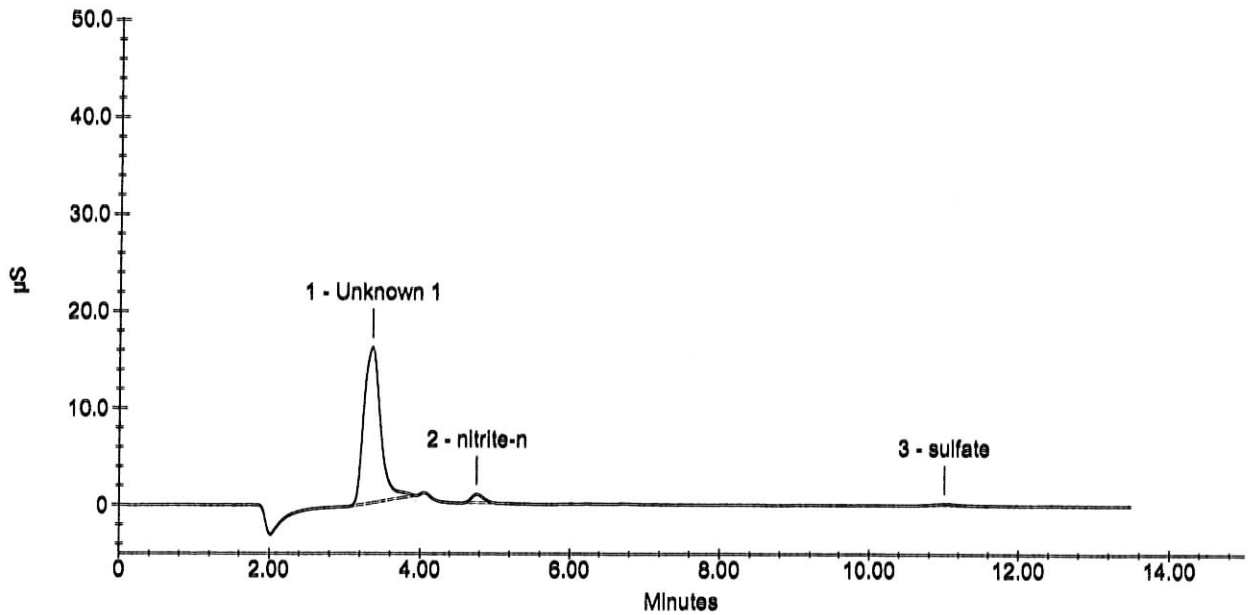
Sample Name : AY03962W01 1/5
Data File Name : i:\dionex\d1anions\data\090925a\090925a_013.DXD

Method File Name : i:\dionex\d1anions\methods\epa300 09-08-09low.met
Date Time Collected : 9/25/09 11:09:09
System Operator : pd
Injection Number : 13
Multiplier : 5.00

Peak Information : All Peaks

Peak Number	Peak Retention Time	Component Name	Component Amount (mg/L)	Peak Area	Peak Height	Limit Exceed
1	3.36	Unknown 1	0.0000	2469372	160139	
2	4.76	nitrite-n	0.6915	95321	8606	
3	11.00	sulfate	3.3318	31010	1489	

AY03962W01 1/5



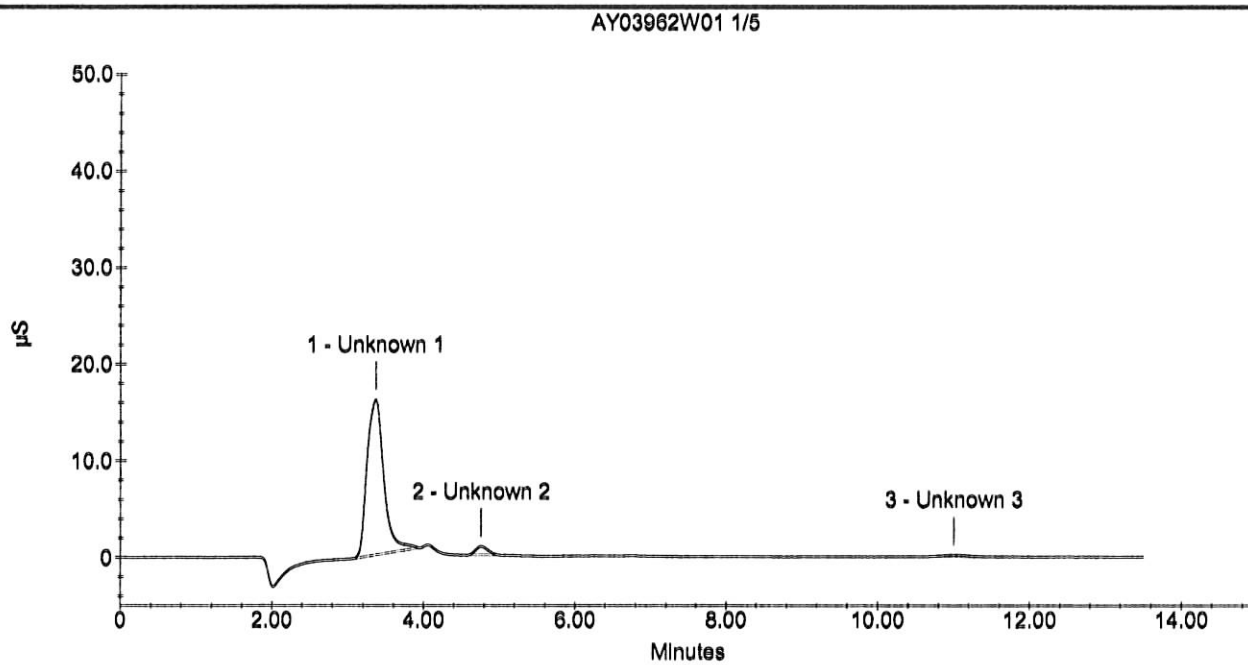
Sample Analysis Report

Sample Name : AY03962W01 1/5
Data File Name : I:\Dionex\D1Anions\data\090925a\090925a_013.DXD

Method File Name : I:\DIONEX\D1ANIONS\METHODS\EPAsufite 08-25-09Low.met
Date Time Collected : 9/25/09 11:09:09 AM
System Operator : pd
Injection Number : 13
Multiplier : 5.00

Peak Information : All Peaks

Peak Number	Peak Retention Time	Component Name	Component Amount (mg/L)	Peak Area	Peak Height	Limit Exceed
1	3.36	Unknown 1	0.000	2469372	160139	
2	4.76	Unknown 2	0.000	95321	8606	
3	11.00	Unknown 3	0.000	31010	1489	



Wet Lab Analysis

Air Toxics Ltd.
180 Blue Ravine Rd.
Folsom, CA 95630

APPL Inc.
908 North Temperance Avenue
Clovis, CA 93611

Attn: Ausha Scott

Project: 16512

Sample ID: 102834

APPL ID: AY03963

Sample Collection Date: No Date Specified

ARF: 59854

Method	Analyte	Result	PQL	Units	Prep Date	Analysis Date
EPA 300.0	Fluoride	Not detected	1.0	mg/L	09/25/09	09/25/09
EPA 300.0	Sulfate/Sulfite total	Not detected	5.0	mg/L	09/25/09	09/25/09

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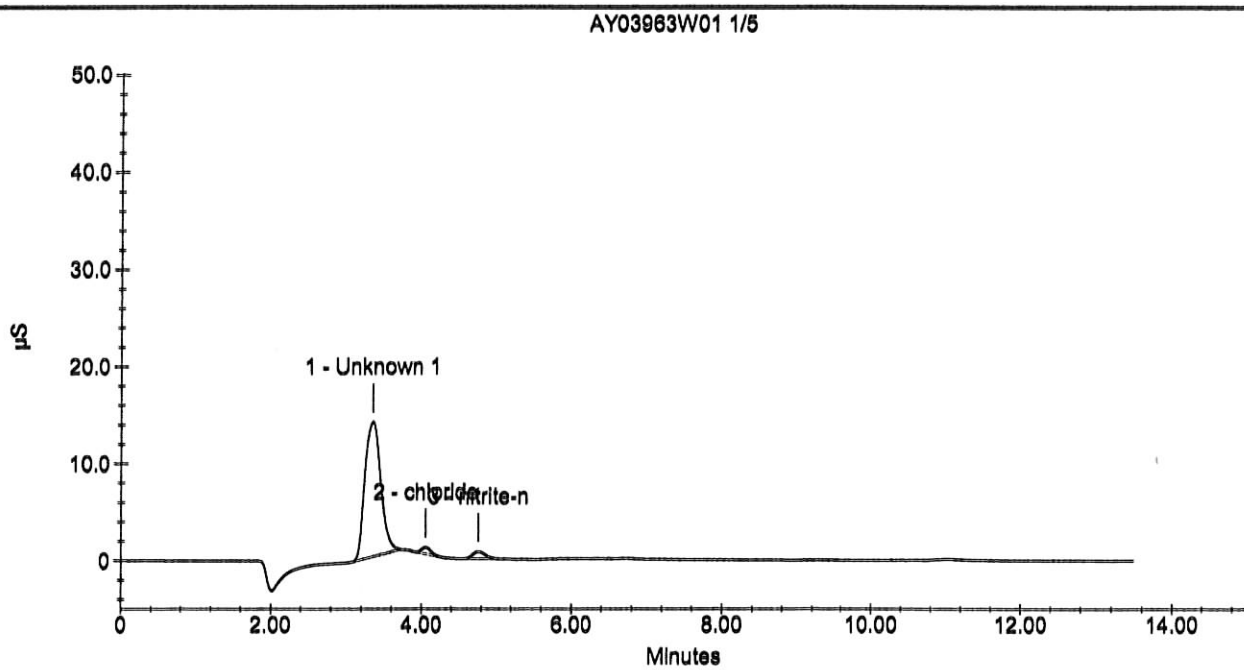
Sample Analysis Report

Sample Name : AY03963W01 1/5
Data File Name : i:\dionex\d1anions\data\090925a\090925a_014.DXD

Method File Name : i:\dionex\d1anions\methods\epa300 09-08-09low.met
Date Time Collected : 9/25/09 11:25:16
System Operator : pd
Injection Number : 14
Multiplier : 5.00

Peak Information : All Peaks

Peak Number	Peak Retention Time	Component Name	Component Amount (mg/L)	Peak Area	Peak Height	Limit Exceed
1	3.35	Unknown 1	0.0000	2030215	138460	
2	4.05	chloride	5.8332	57522	6678	
3	4.76	nitrite-n	0.6244	78354	7063	



Sample Analysis Report

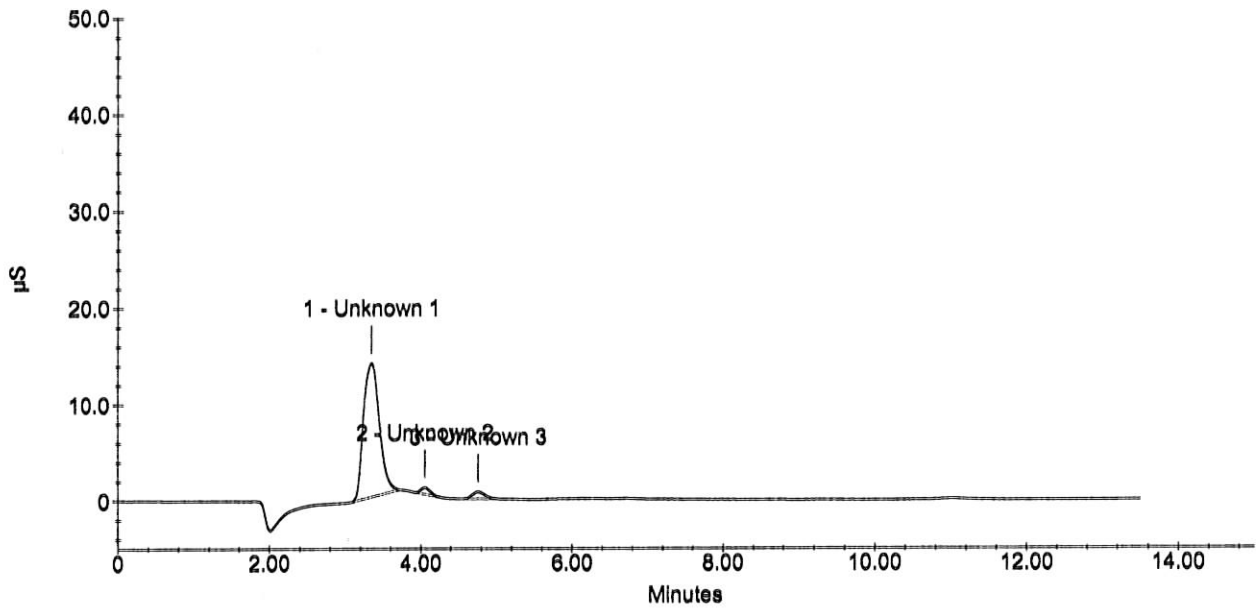
Sample Name : AY03963W01 1/5
Data File Name : I:\Dionex\D1Anions\data\090925a\090925a_014.DXD

Method File Name : I:\DIONEX\D1ANIONS\METHODS\EPAsufite 08-25-09Low.met
Date Time Collected : 9/25/09 11:25:16 AM
System Operator : pd
Injection Number : 14
Multiplier : 5.00

Peak Information : All Peaks

Peak Number	Peak Retention Time	Component Name	Component Amount (mg/L)	Peak Area	Peak Height	Limit Exceed
1	3.35	Unknown 1	0.000	2030215	138460	
2	4.05	Unknown 2	0.000	57522	6678	
3	4.76	Unknown 3	0.000	78354	7063	

AY03963W01 1/5



Wet Lab Analysis

Air Toxics Ltd.
180 Blue Ravine Rd.
Folsom, CA 95630

APPL Inc.
908 North Temperance Avenue
Clovis, CA 93611

Attn: Ausha Scott

Project: 16512

Sample ID: 102835

Sample Collection Date: No Date Specified

APPL ID: AY03964

ARF: 59854

Method	Analyte	Result	PQL	Units	Prep Date	Analysis Date
EPA 300.0	Fluoride	Not detected	1.0	mg/L	09/25/09	09/25/09
EPA 300.0	Sulfate/Sulfite total	Not detected	5.0	mg/L	09/25/09	09/25/09

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Sample Analysis Report

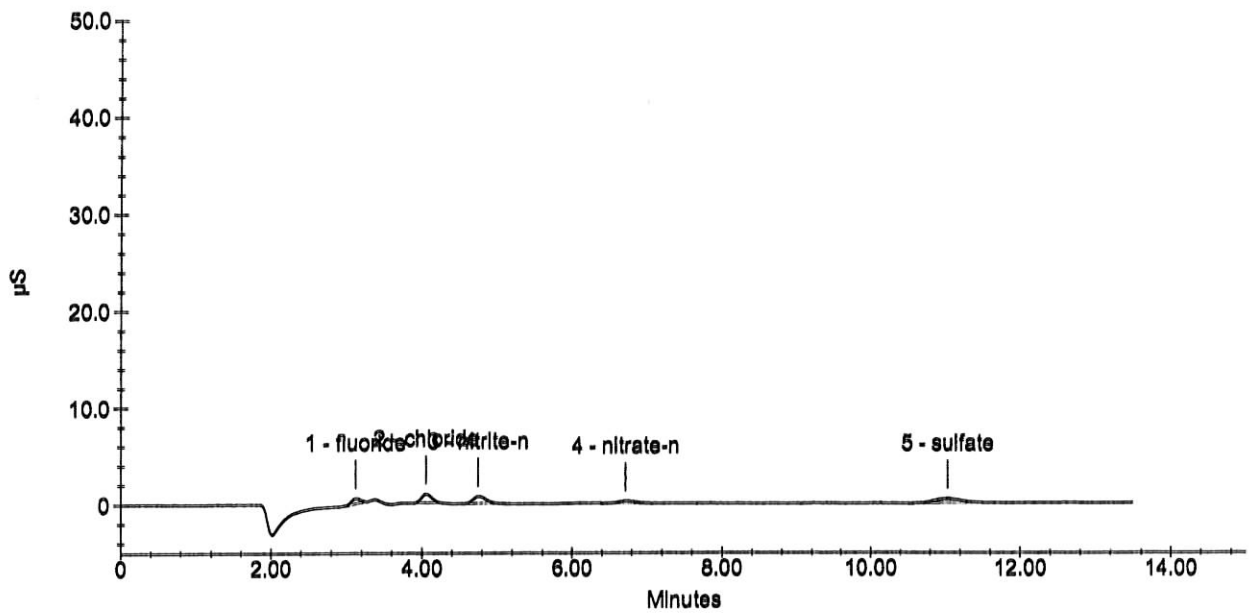
Sample Name : AY03964W01 1/5
Data File Name : i:\dionex\d1anions\data\090925a\090925a_015.DXD

Method File Name : i:\dionex\d1anions\methods\epa300 09-08-09low.met
Date Time Collected : 9/25/09 11:41:22
System Operator : pd
Injection Number : 15
Multiplier : 5.00

Peak Information : All Peaks

Peak Number	Peak Retention Time	Component Name	Component Amount (mg/L)	Peak Area	Peak Height	Limit Exceed
1	3.12	fluoride	0.6266	41942	5283	
2	4.05	chloride	6.0012	82072	8832	
3	4.75	nitrite-n	0.6332	80585	7090	
4	6.72	nitrate-n	0.7864	30845	2073	
5	11.03	sulfate	4.0735	98112	4214	

AY03964W01 1/5



Sample Analysis Report

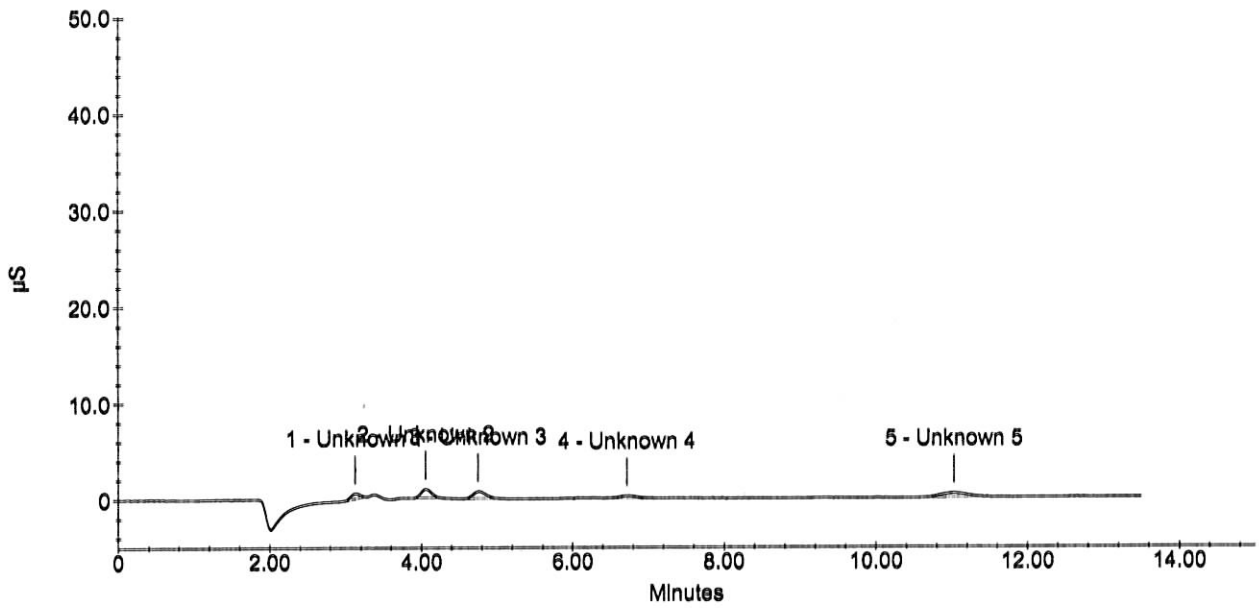
Sample Name : AY03964W01 1/5
Data File Name : I:\Dionex\D1Anions\data\090925a\090925a_015.DXD

Method File Name : I:\DIONEX\D1ANIONS\METHODS\EPAsufite 08-25-09Low.met
Date Time Collected : 9/25/09 11:41:22 AM
System Operator : pd
Injection Number : 15
Multiplier : 5.00

Peak Information : All Peaks

Peak Number	Peak Retention Time	Component Name	Component Amount (mg/L)	Peak Area	Peak Height	Limit Exceed
1	3.12	Unknown 1	0.000	41942	5283	
2	4.05	Unknown 2	0.000	82072	8832	
3	4.75	Unknown 3	0.000	80585	7090	
4	6.72	Unknown 4	0.000	30845	2073	
5	11.03	Unknown 5	0.000	98112	4214	

AY03964W01 1/5



Wet Lab Analysis

Air Toxics Ltd.
180 Blue Ravine Rd.
Folsom, CA 95630

APPL Inc.
908 North Temperance Avenue
Clovis, CA 93611

Attn: Ausha Scott

Project: 16512

Sample ID: 102836

APPL ID: AY03965

Sample Collection Date: No Date Specified

ARF: 59854

Method	Analyte	Result	PQL	Units	Prep Date	Analysis Date
EPA 300.0	Fluoride	Not detected	1.0	mg/L	09/25/09	09/25/09
EPA 300.0	Sulfate/Sulfite total	Not detected	5.0	mg/L	09/25/09	09/25/09

Form 1 - APPL Standard Wetlab - No MC
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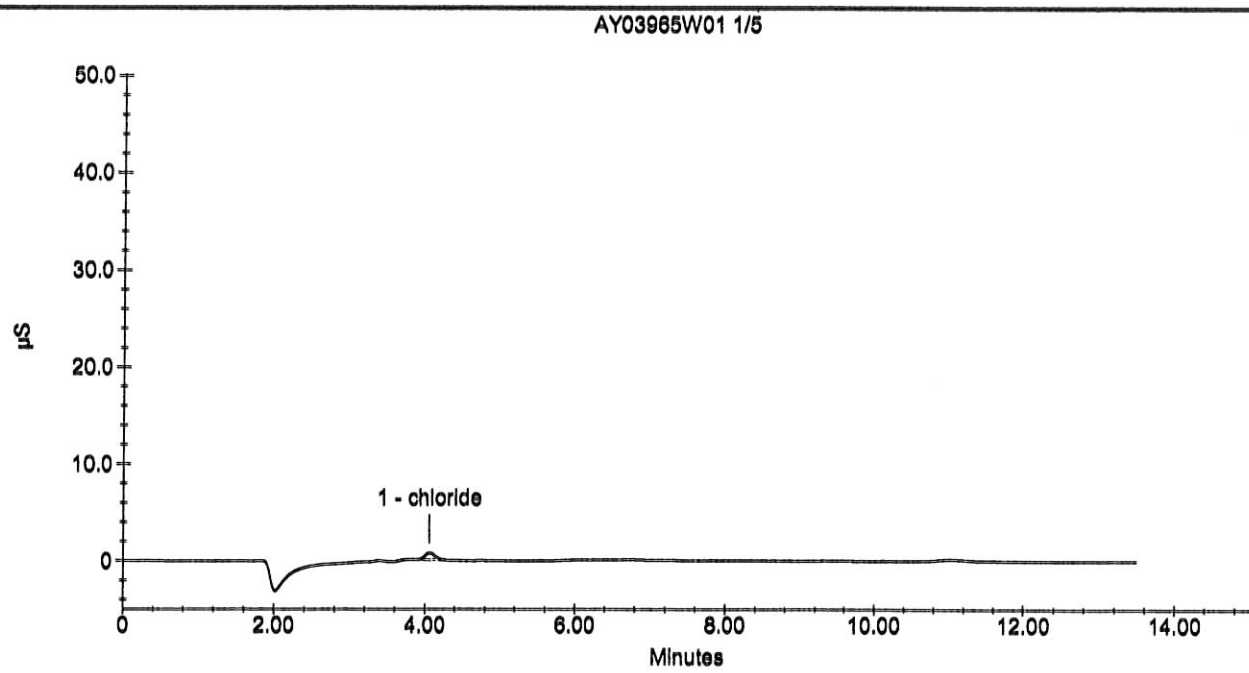
Sample Analysis Report

Sample Name : AY03965W01 1/5
Data File Name : i:\dionex\d1anions\data\090925a\090925a_016.DXD

Method File Name : i:\dionex\d1anions\methods\epa300 09-08-09low.met
Date Time Collected : 9/25/09 11:57:33
System Operator : pd
Injection Number : 16
Multiplier : 5.00

Peak Information : All Peaks

Peak Number	Peak Retention Time	Component Name	Component Amount (mg/L)	Peak Area	Peak Height	Limit Exceed
1	4.05	chloride	5.8805	64439	6810	



Sample Analysis Report

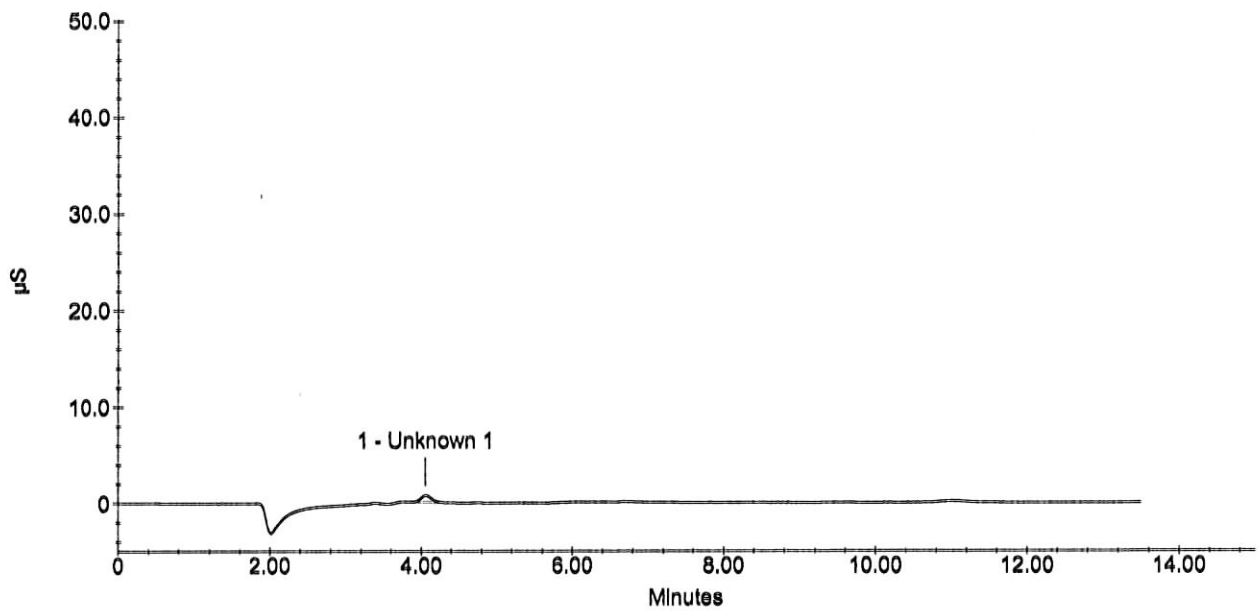
Sample Name : AY03965W01 1/5
Data File Name : I:\Dionex\D1Anions\data\090925a\090925a_016.DXD

Method File Name : I:\DIONEX\D1ANIONS\METHODS\EPAsufite 08-25-09Low.met
Date Time Collected : 9/25/09 11:57:33 AM
System Operator : pd
Injection Number : 16
Multiplier : 5.00

Peak Information : All Peaks

Peak Number	Peak Retention Time	Component Name	Component Amount (mg/L)	Peak Area	Peak Height	Limit Exceed
1	4.05	Unknown 1	0.000	64439	6810	

AY03965W01 1/5



Wet Lab Analysis

Air Toxics Ltd.
180 Blue Ravine Rd.
Folsom, CA 95630

APPL Inc.
908 North Temperance Avenue
Clovis, CA 93611

Attn: Ausha Scott

Project: 16512

Sample ID: 102837

APPL ID: AY03966

Sample Collection Date: No Date Specified

ARF: 59854

Method	Analyte	Result	PQL	Units	Prep Date	Analysis Date
EPA 300.0	Fluoride	Not detected	1.0	mg/L	09/25/09	09/25/09
EPA 300.0	Sulfate/Sulfite total	Not detected	5.0	mg/L	09/25/09	09/25/09

Form 1 - APPL Standard Wetlab - No MC
Printed: 10/07/09 4:41:22 PM

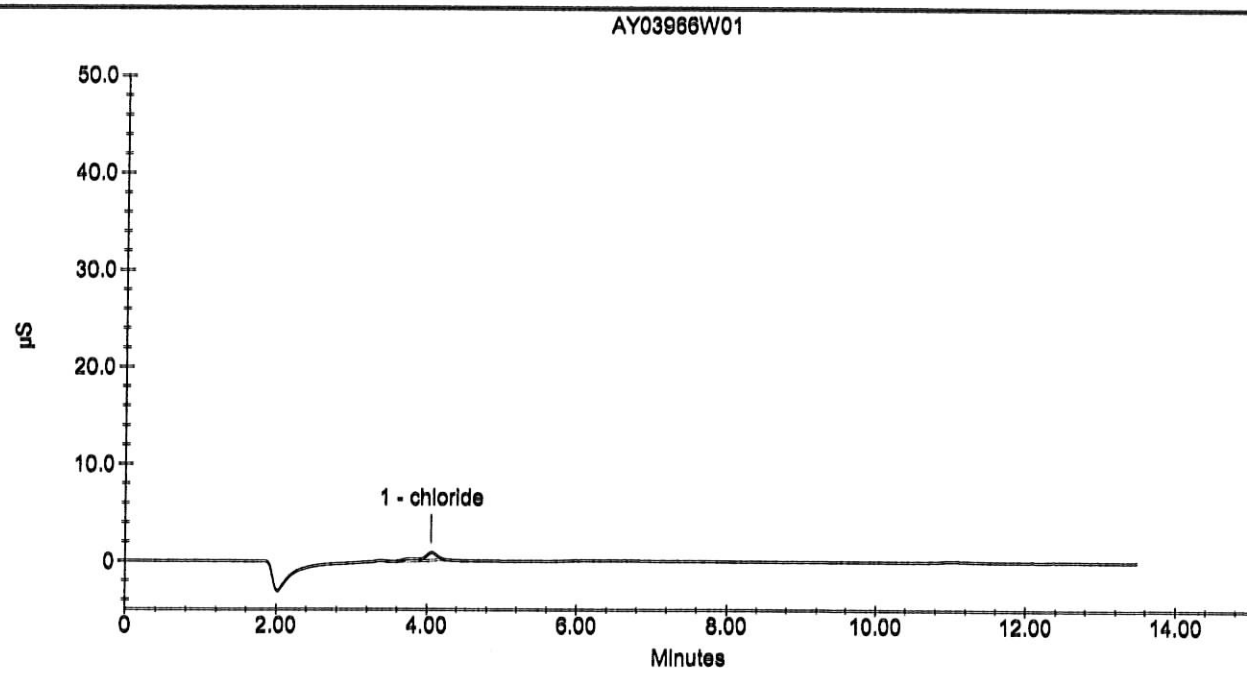
Sample Analysis Report

Sample Name : AY03966W01
Data File Name : i:\dionex\d1anions\data\090925a\090925a_017.DXD

Method File Name : I:\DIONEX\D1ANIONS\METHODS\EPA300 09-08-09Low.met
Date Time Collected : 9/25/09 12:13:39
System Operator : pd
Injection Number : 17
Multiplier : 5.00

Peak Information : All Peaks

Peak Number	Peak Retention Time	Component Name	Component Amount (mg/L)	Peak Area	Peak Height	Limit Exceed
1	4.05	chloride	6.2036	111641	7777	



Sample Analysis Report

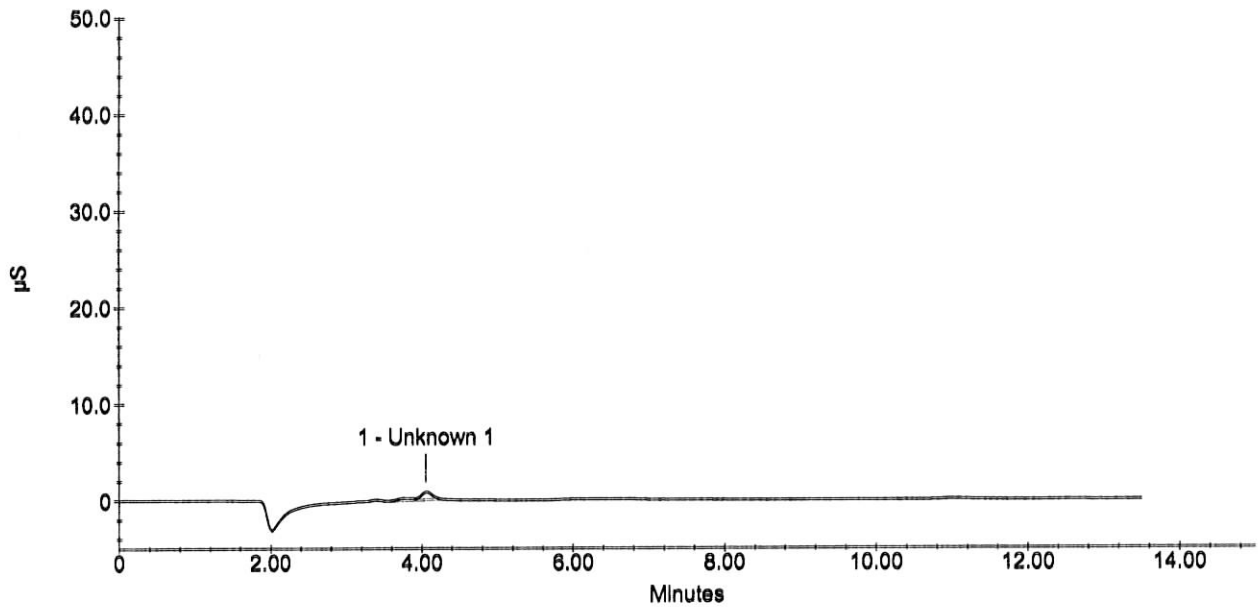
Sample Name : AY03966W01 1/5
Data File Name : i:\dionex\d1anions\data\090925a\090925a_017.DXD

Method File Name : I:\DIONEX\D1ANIONS\METHODS\EPAsufite 08-25-09Low.met
Date Time Collected : 9/25/09 12:13:39 PM
System Operator : pd
Injection Number : 17
Multiplier : 5.00

Peak Information : All Peaks

Peak Number	Peak Retention Time	Component Name	Component Amount (mg/L)	Peak Area	Peak Height	Limit Exceed
1	4.05	Unknown 1	0.000	111641	7777	

AY03966W01 1/5



Wet Lab Analysis

Air Toxics Ltd.
180 Blue Ravine Rd.
Folsom, CA 95630

APPL Inc.
908 North Temperance Avenue
Clovis, CA 93611

Attn: Ausha Scott

Project: 16512

Sample ID: 104971

APPL ID: AY03967

Sample Collection Date: No Date Specified

ARF: 59854

Method	Analyte	Result	PQL	Units	Prep Date	Analysis Date
EPA 300.0	Fluoride	Not detected	1.0	mg/L	09/25/09	09/25/09
EPA 300.0	Sulfate/Sulfite total	Not detected	5.0	mg/L	09/25/09	09/25/09

Form 1 - APPL Standard Wetlab - No MC
Printed: 10/07/09 4:41:22 PM

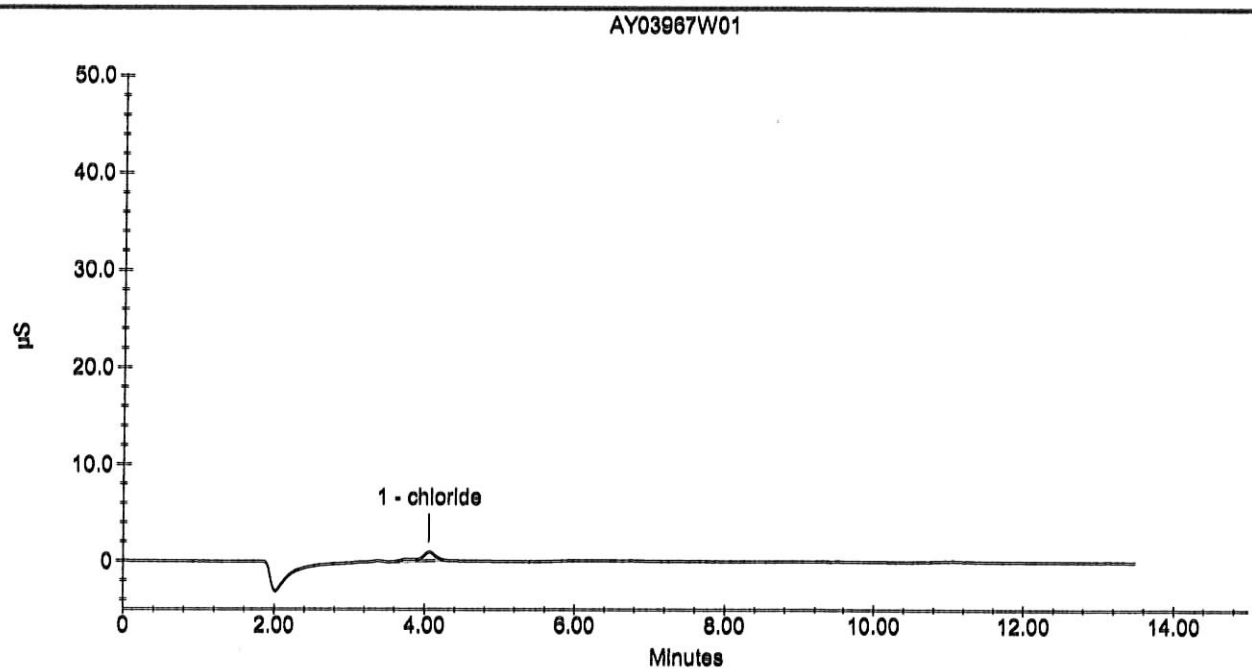
Sample Analysis Report

Sample Name : AY03967W01
Data File Name : i:\dionex\d1anions\data\090903a\090925a_018.DXD

Method File Name : I:\DIONEX\D1ANIONS\METHODS\EPA300 09-08-09Low.met
Date Time Collected : 9/25/09 12:29:45
System Operator : pd
Injection Number : 18
Multiplier : 5.00

Peak Information : All Peaks

Peak Number	Peak Retention Time	Component Name	Component Amount (mg/L)	Peak Area	Peak Height	Limit Exceed
1	4.05	chloride	6.2777	122469	8796	



APPL, Inc.

Current Date : 9/25/09
Current Time : 13:46:33

Sample Analysis Report

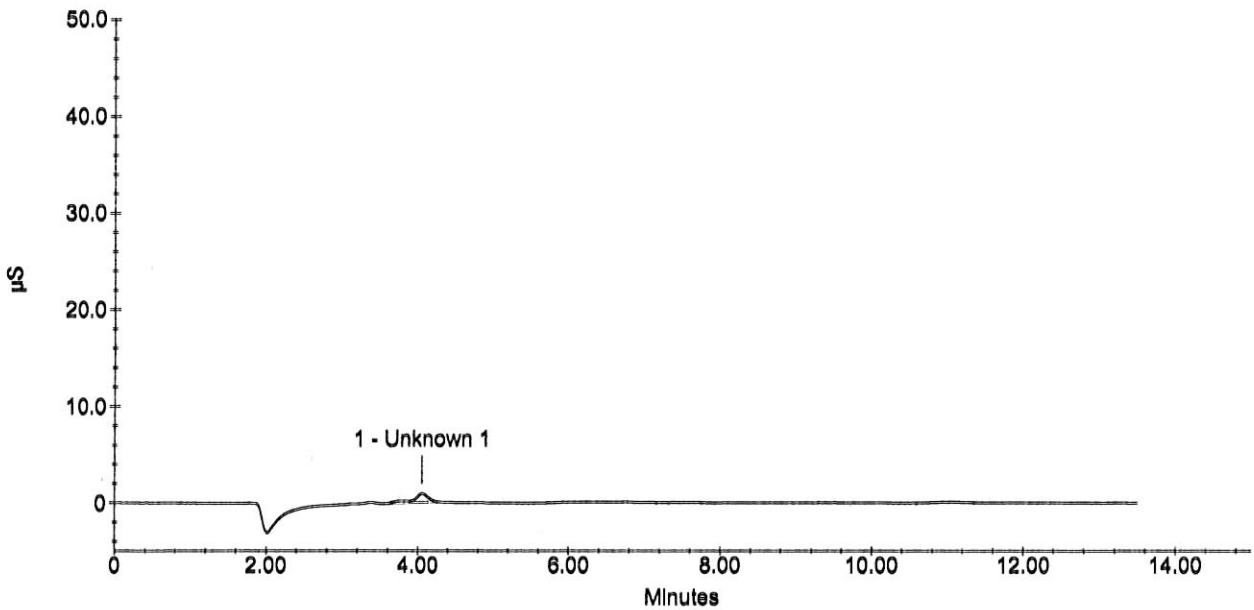
Sample Name : AY03967W01 1/5
Data File Name : i:\dionex\d1anions\data\090903a\090925a_018.DXD

Method File Name : I:\DIONEX\D1ANIONS\METHODS\EPAsufite 08-25-09Low.met
Date Time Collected : 9/25/09 12:29:45 PM
System Operator : pd
Injection Number : 18
Multiplier : 5.00

Peak Information : All Peaks

Peak Number	Peak Retention Time	Component Name	Component Amount (mg/L)	Peak Area	Peak Height	Limit Exceed
1	4.05	Unknown 1	0.000	122469	8796	

AY03967W01 1/5



Wet Lab Analysis

Air Toxics Ltd.
180 Blue Ravine Rd.
Folsom, CA 95630

APPL Inc.
908 North Temperance Avenue
Clovis, CA 93611

Attn: Ausha Scott

Project: 16512

Sample ID: 104972

APPL ID: AY03968

Sample Collection Date: No Date Specified

ARF: 59854

Method	Analyte	Result	PQL	Units	Prep Date	Analysis Date
EPA 300.0	Fluoride	Not detected	1.0	mg/L	09/29/09	09/29/09
EPA 300.0	Sulfate/Sulfite total	Not detected	5.0	mg/L	09/29/09	09/29/09

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Sample Analysis Report

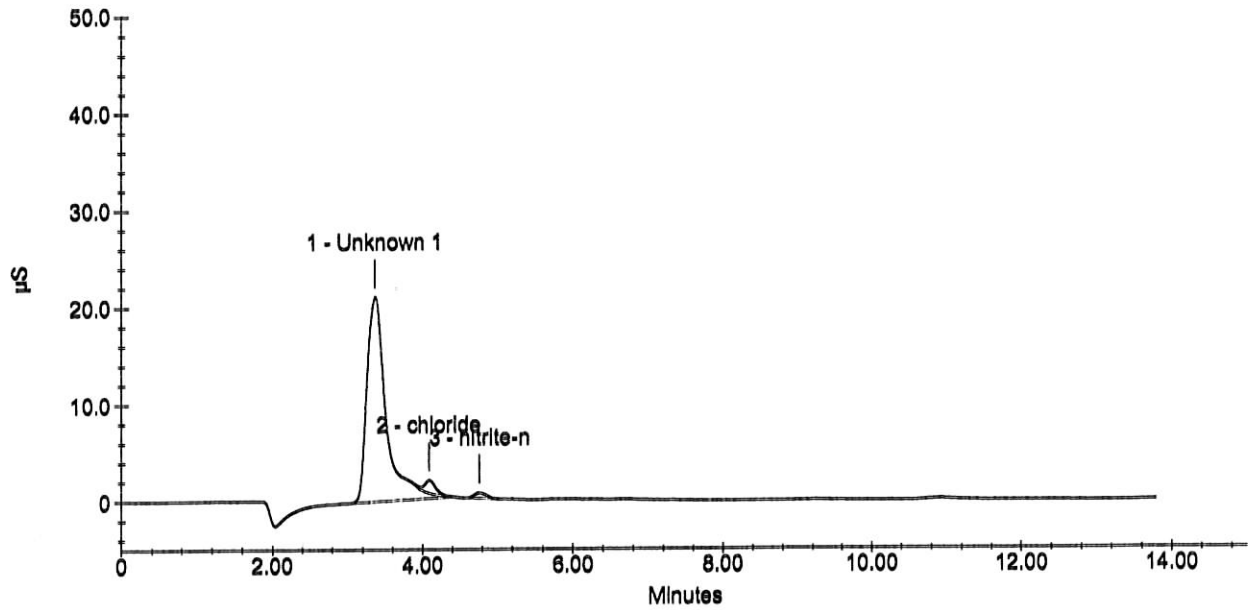
Sample Name : AY03968W01 1 / 5
Data File Name : i:\dionex\d1anions\data\090929a\090929a_008.DXD

Method File Name : i:\dionex\d1anions\methods\epa300 09-28-09low.met
Date Time Collected : 9/29/09 09:28:51
System Operator : pd
Injection Number : 8
Multiplier : 5.00

Peak Information : All Peaks

Peak Number	Peak Retention Time	Component Name	Component Amount (mg/L)	Peak Area	Peak Height	Limit Exceed
1	3.36	Unknown 1	0.0000	3784791	209862	
2	4.08	chloride	5.8017	141751	13243	
3	4.76	nitrite-n	0.4905	59743	5546	

AY03968W01



Sample Analysis Report

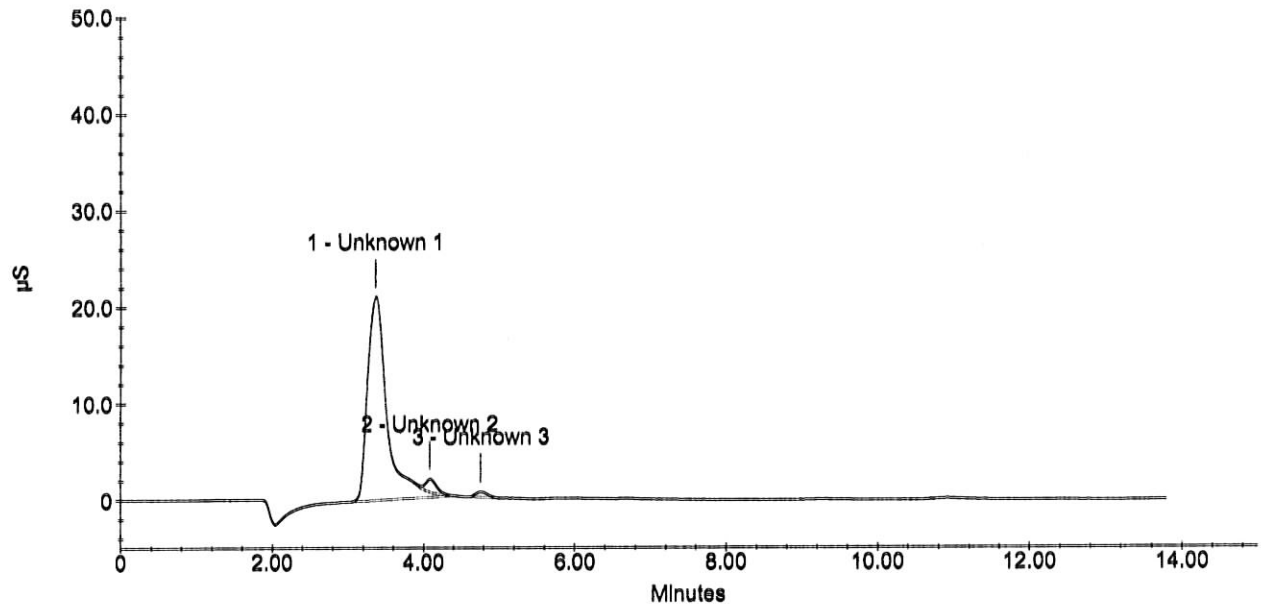
Sample Name : AY03968W01 1/5
Data File Name : i:\dionex\d1anions\data\090929a\090929a_008.DXD

Method File Name : I:\DIONEX\D1ANIONS\METHODS\EPAsufite 08-25-09Low.met
Date Time Collected : 9/29/09 9:28:51 AM
System Operator : pd
Injection Number : 8
Multiplier : 5.00

Peak Information : All Peaks

Peak Number	Peak Retention Time	Component Name	Component Amount (mg/L)	Peak Area	Peak Height	Limit Exceed
1	3.36	Unknown 1	0.000	3784791	209862	
2	4.08	Unknown 2	0.000	141751	13243	
3	4.76	Unknown 3	0.000	59743	5546	

AY03968W01 1/5



Wet Lab Analysis

Air Toxics Ltd.
180 Blue Ravine Rd.
Folsom, CA 95630

APPL Inc.
908 North Temperance Avenue
Clovis, CA 93611

Attn: Ausha Scott

Project: 16512

Sample ID: 104973

APPL ID: AY03969

Sample Collection Date: No Date Specified

ARF: 59854

Method	Analyte	Result	PQL	Units	Prep Date	Analysis Date
EPA 300.0	Fluoride	Not detected	1.0	mg/L	09/29/09	09/29/09
EPA 300.0	Sulfate/Sulfite total	Not detected	5.0	mg/L	09/29/09	09/29/09

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Sample Analysis Report

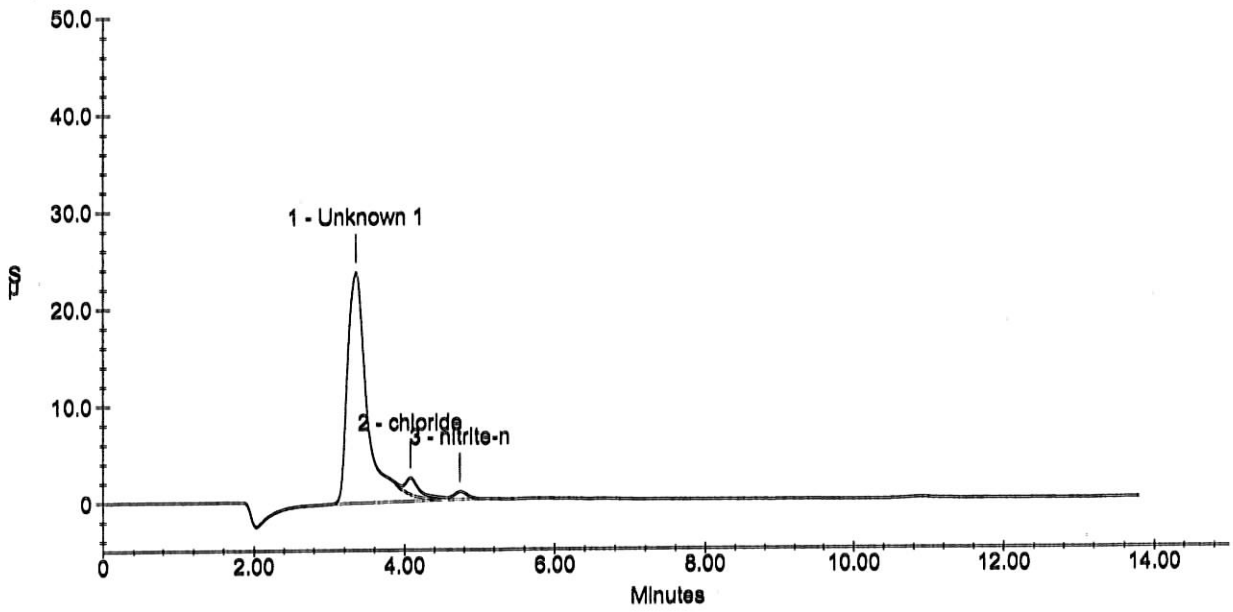
Sample Name : AY03969W01 1/5
Data File Name : i:\dionex\d1anions\data\090929a\090929a_009.DXD

Method File Name : i:\dionex\d1anions\methods\epa300 09-28-09low.met
Date Time Collected : 9/29/09 09:45:17
System Operator : pd
Injection Number : 9
Multiplier : 5.00

Peak Information : All Peaks

Peak Number	Peak Retention Time	Component Name	Component Amount (mg/L)	Peak Area	Peak Height	Limit Exceed
1	3.36	Unknown 1	0.0000	4340597	237183	
2	4.08	chloride	6.4017	238598	17267	
3	4.75	nitrite-n	0.6217	97353	7703	

AY03969W01



Sample Analysis Report

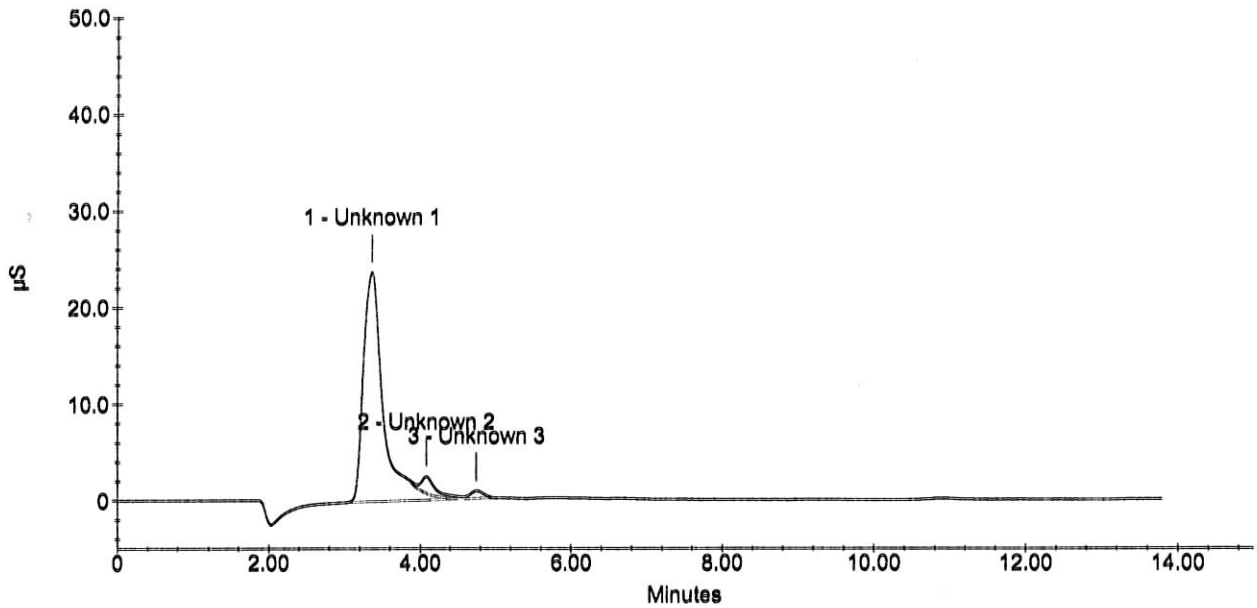
Sample Name : AY03969W01 1/5
Data File Name : i:\dionex\d1anions\data\090929a\090929a_009.DXD

Method File Name : I:\DIONEX\D1ANIONS\METHODS\EPAsufite 08-25-09Low.met
Date Time Collected : 9/29/09 9:45:17 AM
System Operator : pd
Injection Number : 9
Multiplier : 5.00

Peak Information : All Peaks

Peak Number	Peak Retention Time	Component Name	Component Amount (mg/L)	Peak Area	Peak Height	Limit Exceed
1	3.36	Unknown 1	0.000	4340597	237183	
2	4.08	Unknown 2	0.000	238598	17267	
3	4.75	Unknown 3	0.000	97353	7703	

AY03969W01 1/5



APPL, Inc.

Current Date : 10/6/09
Current Time : 10:47:22 AM

Wet Lab Analysis

Air Toxics Ltd.
180 Blue Ravine Rd.
Folsom, CA 95630

APPL Inc.
908 North Temperance Avenue
Clovis, CA 93611

Attn: Ausha Scott

Project: 16512

Sample ID: 104974

APPL ID: AY03970

Sample Collection Date: No Date Specified

ARF: 59854

Method	Analyte	Result	PQL	Units	Prep Date	Analysis Date
EPA 300.0	Fluoride	Not detected	1.0	mg/L	09/29/09	09/29/09
EPA 300.0	Sulfate/Sulfite total	Not detected	5.0	mg/L	09/29/09	09/29/09

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Printed: 10/07/09 4:41:22 PM

Sample Analysis Report

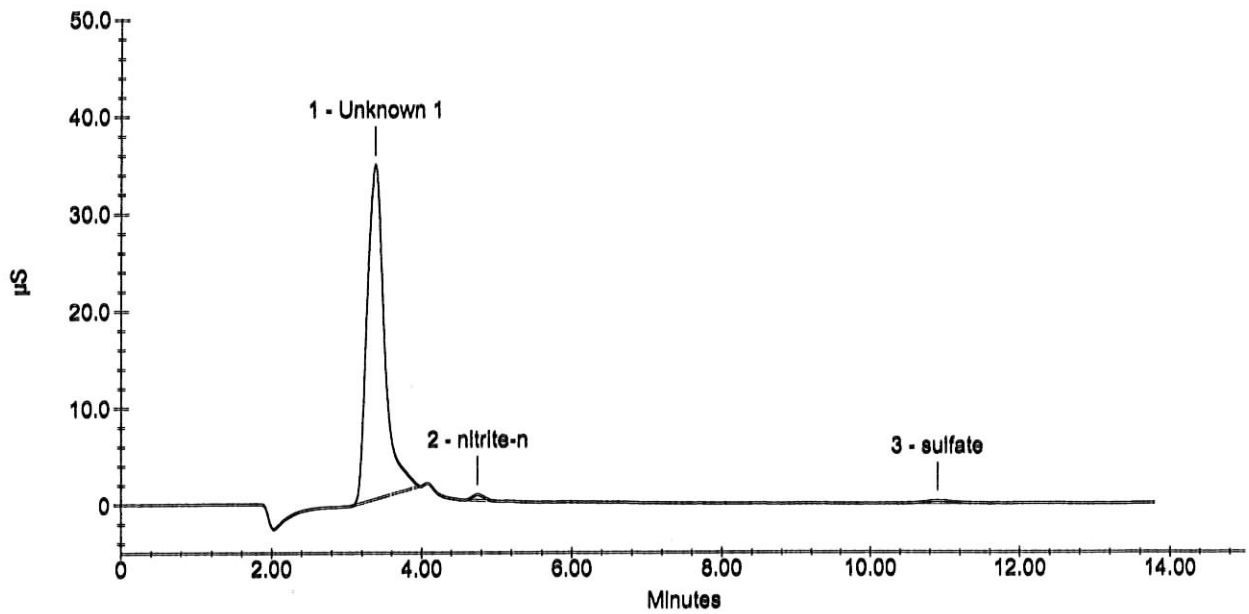
Sample Name : AY03970W01 1/5
Data File Name : i:\dionex\d1anions\data\090929a\090929a_010.DXD

Method File Name : i:\dionex\d1anions\methods\epa300 09-28-09low.met
Date Time Collected : 9/29/09 10:01:42
System Operator : pd
Injection Number : 10
Multiplier : 5.00

Peak Information : All Peaks

Peak Number	Peak Retention Time	Component Name	Component Amount (mg/L)	Peak Area	Peak Height	Limit Exceed
1	3.37	Unknown 1	0.0000	5567870	343778	
2	4.75	nitrite-n	0.4879	58995	5608	
3	10.89	sulfate	3.0907	45716	2098	

AY03970W01



APPL, Inc.

Current Date : 9/29/09
Current Time : 10:18:03

Sample Analysis Report

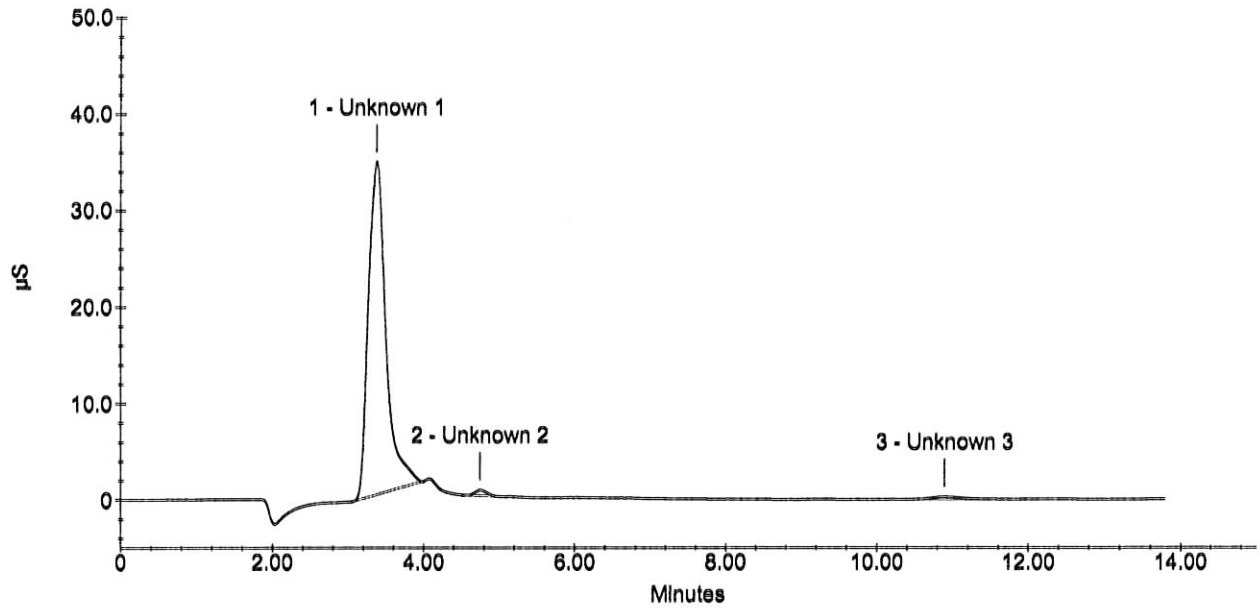
Sample Name : AY03970W01 1/5
Data File Name : i:\dionex\d1anions\data\090929a\090929a_010.DXD

Method File Name : I:\DIONEX\D1ANIONS\METHODS\EPAsufite 08-25-09Low.met
Date Time Collected : 9/29/09 10:01:42 AM
System Operator : pd
Injection Number : 10
Multiplier : 5.00

Peak Information : All Peaks

Peak Number	Peak Retention Time	Component Name	Component Amount (mg/L)	Peak Area	Peak Height	Limit Exceed
1	3.37	Unknown 1	0.000	5567870	343778	
2	4.75	Unknown 2	0.000	58995	5608	
3	10.89	Unknown 3	0.000	45716	2098	

AY03970W01 1/5



Wet Lab Analysis

Air Toxics Ltd.
180 Blue Ravine Rd.
Folsom, CA 95630

APPL Inc.
908 North Temperance Avenue
Clovis, CA 93611

Attn: Ausha Scott

Project: 16512

Sample ID: 104975

APPL ID: AY03971

Sample Collection Date: No Date Specified

ARF: 59854

Method	Analyte	Result	PQL	Units	Prep Date	Analysis Date
EPA 300.0	Fluoride	Not detected	1.0	mg/L	09/29/09	09/29/09
EPA 300.0	Sulfate/Sulfite total	Not detected	5.0	mg/L	09/29/09	09/29/09

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Sample Analysis Report

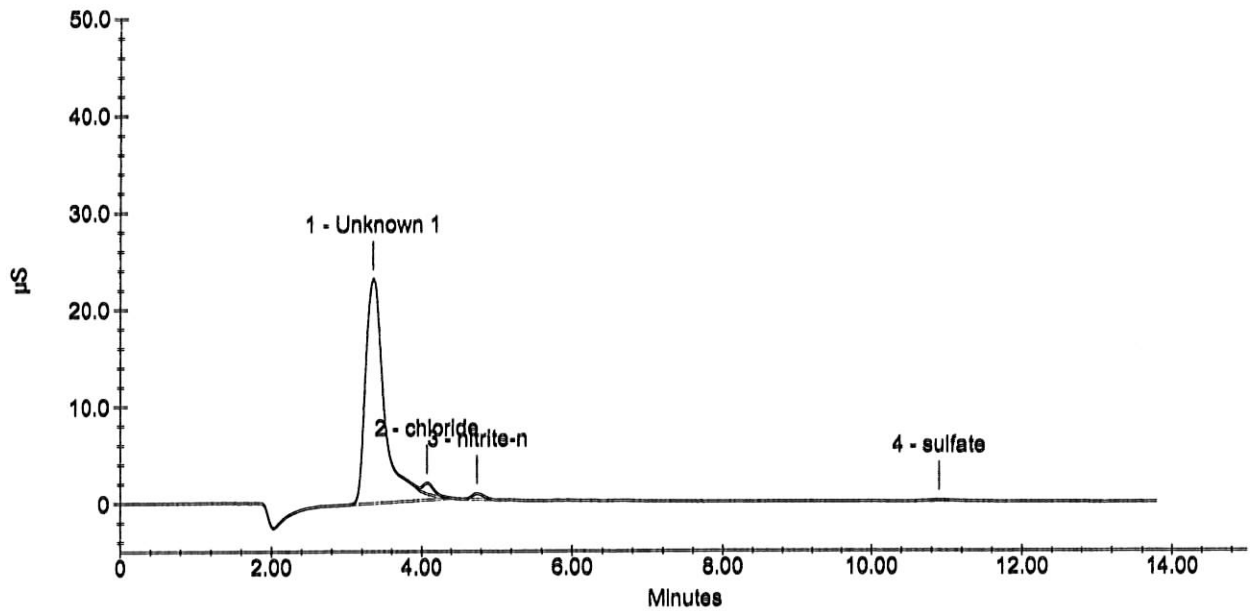
Sample Name : AY03971W01 115
Data File Name : i:\dionex\d1anions\data\090929a\090929a_011.DXD

Method File Name : i:\dionex\d1anions\methods\epa300 09-28-09low.met
Date Time Collected : 9/29/09 10:18:08
System Operator : pd
Injection Number : 11
Multiplier : 5.00

Peak Information : All Peaks

Peak Number	Peak Retention Time	Component Name	Component Amount (mg/L)	Peak Area	Peak Height	Limit Exceed
1	3.35	Unknown 1	0.0000	4150205	230120	
2	4.07	chloride	5.6608	119023	10882	
3	4.75	nitrite-n	0.4914	59994	5646	
4	10.89	sulfate	2.7869	14309	859	

AY03971W01



Sample Analysis Report

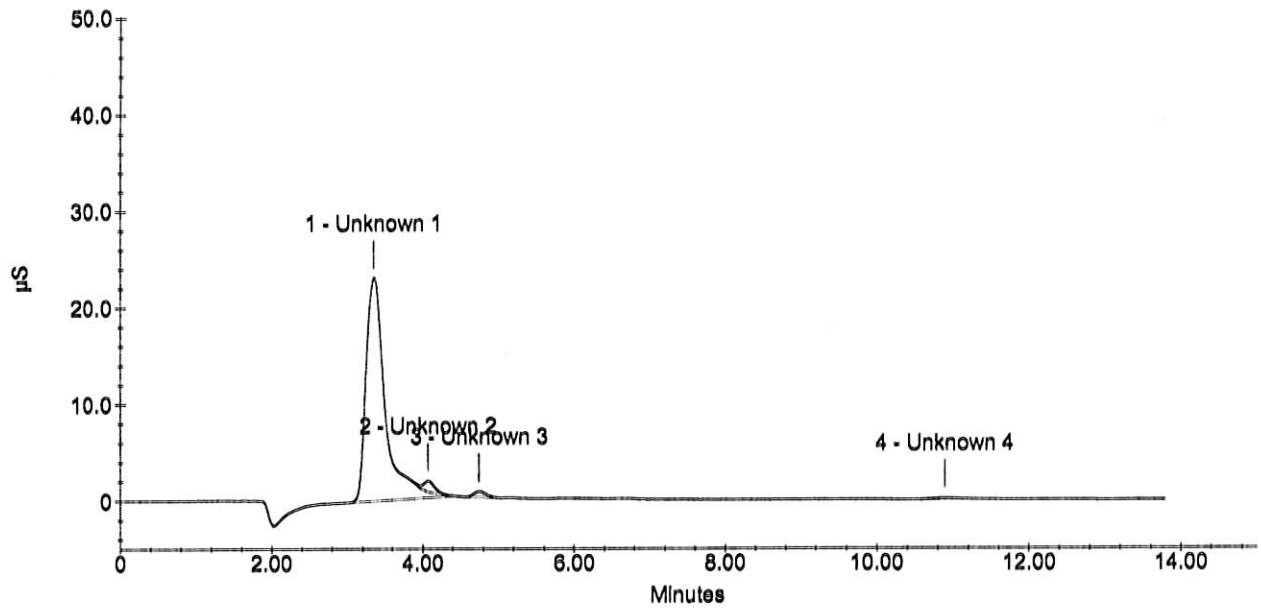
Sample Name : AY03971W01 1/5
Data File Name : i:\dionex\d1anions\data\090929a\090929a_011.DXD

Method File Name : I:\DIONEX\D1ANIONS\METHODS\EPAsufite 08-25-09Low.met
Date Time Collected : 9/29/09 10:18:08 AM
System Operator : pd
Injection Number : 11
Multiplier : 5.00

Peak Information : All Peaks

Peak Number	Peak Retention Time	Component Name	Component Amount (mg/L)	Peak Area	Peak Height	Limit Exceed
1	3.35	Unknown 1	0.000	4150205	230120	
2	4.07	Unknown 2	0.000	119023	10882	
3	4.75	Unknown 3	0.000	59994	5646	
4	10.89	Unknown 4	0.000	14309	859	

AY03971W01 1/5



APPL, Inc.

Current Date : 10/6/09
Current Time : 10:47:34 AM

Wet Lab Analysis

Air Toxics Ltd.
180 Blue Ravine Rd.
Folsom, CA 95630

APPL Inc.
908 North Temperance Avenue
Clovis, CA 93611

Attn: Ausha Scott

Project: 16512

Sample ID: 104976

APPL ID: AY03972

Sample Collection Date: No Date Specified

ARF: 59854

Method	Analyte	Result	PQL	Units	Prep Date	Analysis Date
EPA 300.0	Fluoride	Not detected	1.0	mg/L	09/29/09	09/29/09
EPA 300.0	Sulfate/Sulfite total	Not detected	5.0	mg/L	09/29/09	09/29/09

Form 1 - APPL Standard Wetlab - No MC
Printed: 10/07/09 4:41:22 PM

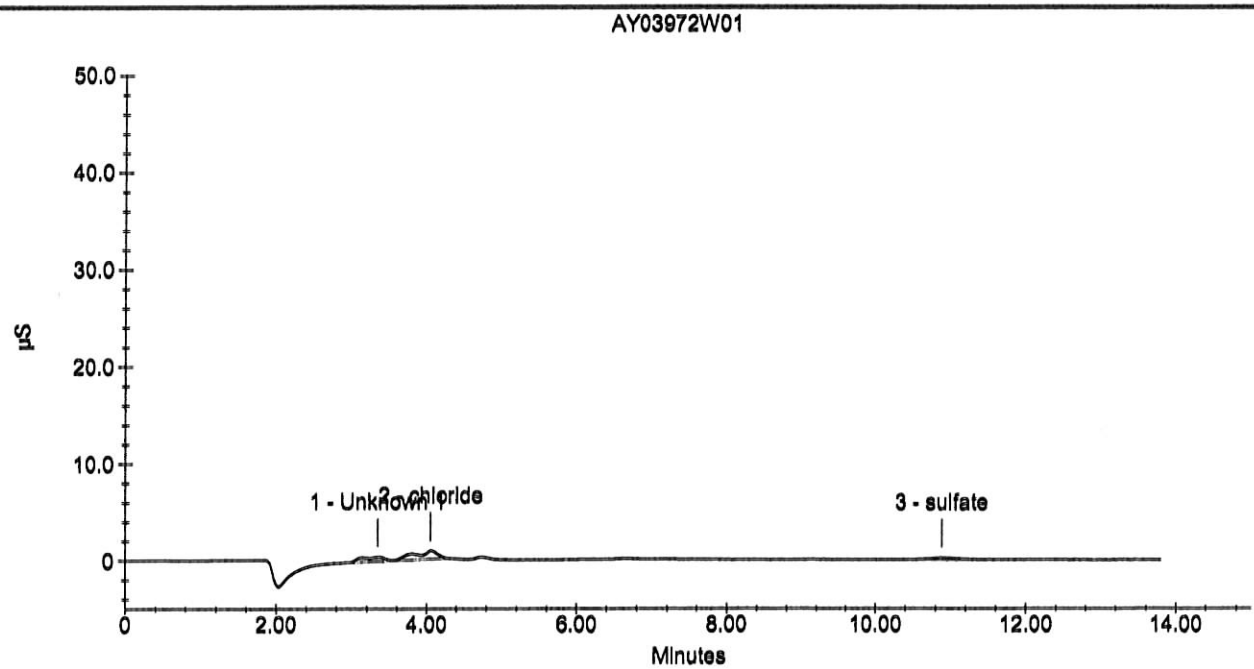
Sample Analysis Report

Sample Name : AY03972W01 1/5
Data File Name : i:\dionex\d1anions\data\090929a\090929a_012.DXD

Method File Name : i:\dionex\d1anions\methods\epa300 09-28-09low.met
Date Time Collected : 9/29/09 10:34:36
System Operator : pd
Injection Number : 12
Multiplier : 5.00

Peak Information : All Peaks

Peak Number	Peak Retention Time	Component Name	Component Amount (mg/L)	Peak Area	Peak Height	Limit Exceed
1	3.35	Unknown 1	0.0000	103791	4536	
2	4.05	chloride	6.0687	184854	8428	
3	10.88	sulfate	3.0083	37197	1628	



APPL, Inc.

Current Date : 9/29/09
Current Time : 10:50:57

Sample Analysis Report

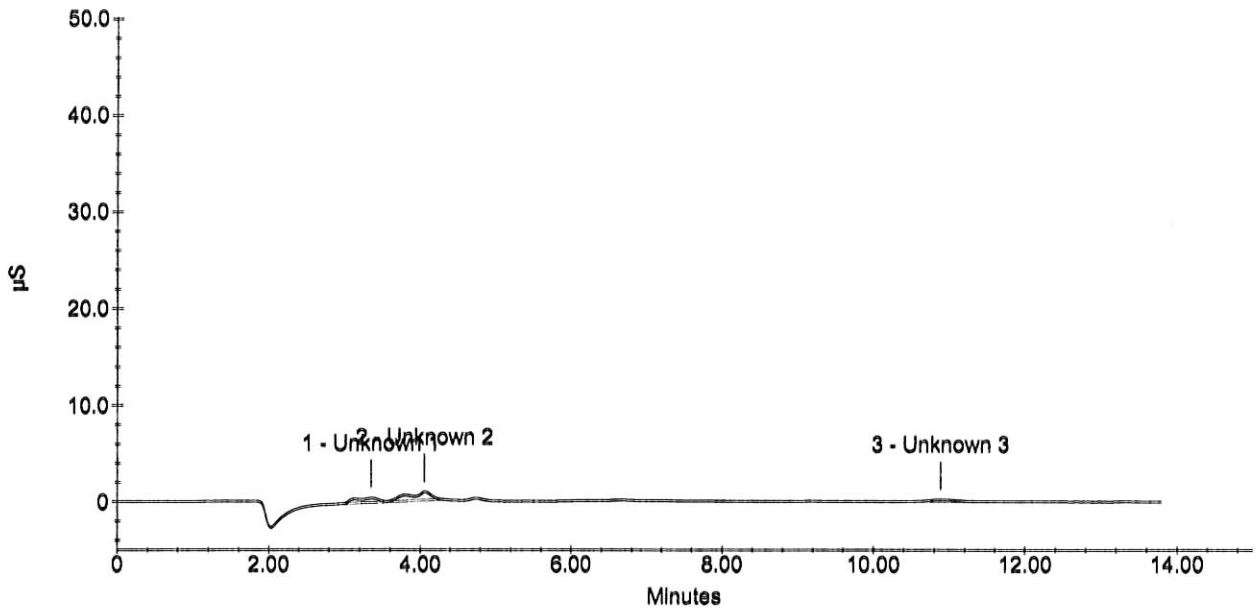
Sample Name : AY03972W01 1/5
Data File Name : i:\dionex\d1anions\data\090929a\090929a_012.DXD

Method File Name : I:\DIONEX\D1ANIONS\METHODS\EPAsufite 08-25-09Low.met
Date Time Collected : 9/29/09 10:34:36 AM
System Operator : pd
Injection Number : 12
Multiplier : 5.00

Peak Information : All Peaks

Peak Number	Peak Retention Time	Component Name	Component Amount (mg/L)	Peak Area	Peak Height	Limit Exceed
1	3.35	Unknown 1	0.000	103791	4536	
2	4.05	Unknown 2	0.000	184854	8428	
3	10.88	Unknown 3	0.000	37197	1628	

AY03972W01 1/5



APPL, Inc.

Current Date : 10/6/09
Current Time : 10:47:39 AM

Wet Lab Analysis

Air Toxics Ltd.
180 Blue Ravine Rd.
Folsom, CA 95630

APPL Inc.
908 North Temperance Avenue
Clovis, CA 93611

Attn: Ausha Scott

Project: 16512

Sample ID: 104942

APPL ID: AY03973

Sample Collection Date: No Date Specified

ARF: 59854

Method	Analyte	Result	PQL	Units	Prep Date	Analysis Date
EPA 300.0	Fluoride	Not detected	1.0	mg/L	09/29/09	09/29/09
EPA 300.0	Sulfate/Sulfite total	Not detected	5.0	mg/L	09/29/09	09/29/09

Form 1 - APPL Standard Wetlab - No MC
Printed: 10/07/09 4:41:22 PM

Sample Analysis Report

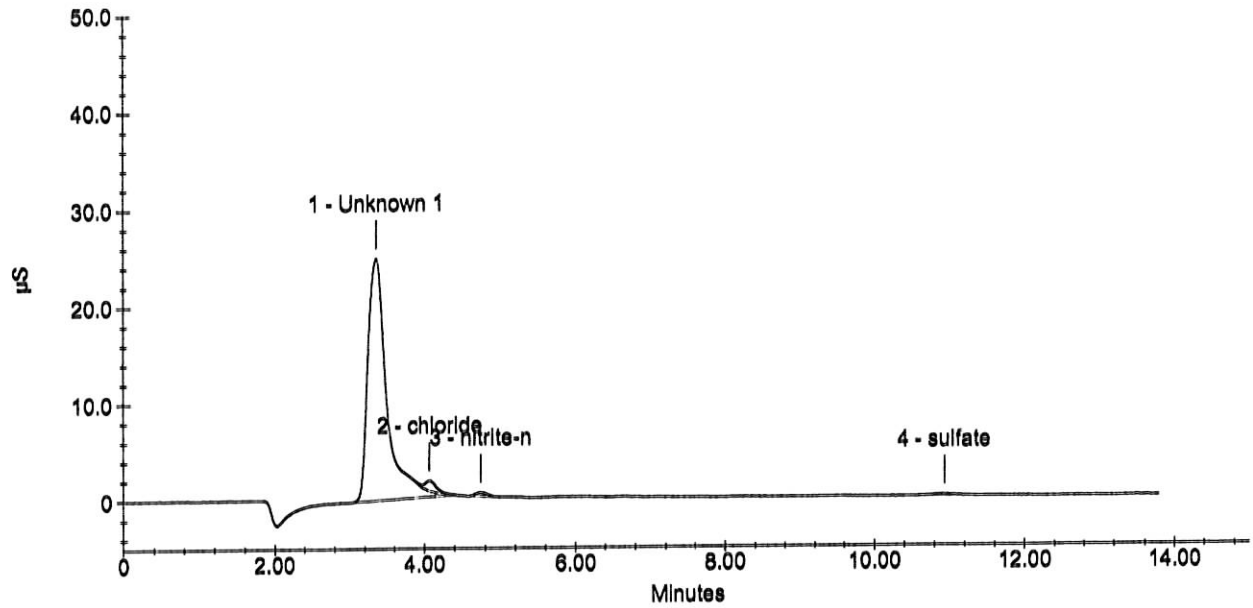
Sample Name : AY03973W01 1/5
Data File Name : i:\dionex\d1anions\data\090929a\090929a_013.DXD

Method File Name : i:\dionex\d1anions\methods\epa300 09-28-09low.met
Date Time Collected : 9/29/09 10:51:02
System Operator : pd
Injection Number : 13
Multiplier : 5.00

Peak Information : All Peaks

Peak Number	Peak Retention Time	Component Name	Component Amount (mg/L)	Peak Area	Peak Height	Limit Exceed
1	3.36	Unknown 1	0.0000	4426005	248967	
2	4.07	chloride	5.6267	113515	10444	
3	4.75	nitrite-n	0.4102	36706	3693	
4	10.93	sulfate	2.7911	14746	861	

AY03973W01



Sample Analysis Report

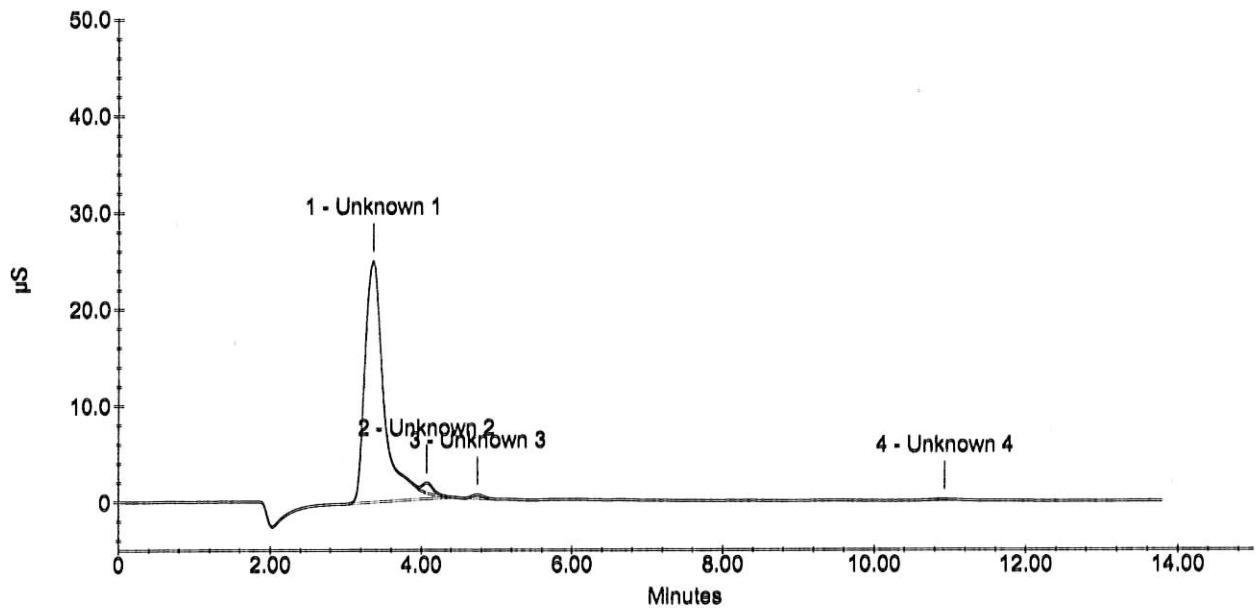
Sample Name : AY03973W01 1/5
Data File Name : i:\dionex\d1anions\data\090929a\090929a_013.DXD

Method File Name : I:\DIONEX\D1ANIONS\METHODS\EPAsufite 08-25-09Low.met
Date Time Collected : 9/29/09 10:51:02 AM
System Operator : pd
Injection Number : 13
Multiplier : 5.00

Peak Information : All Peaks

Peak Number	Peak Retention Time	Component Name	Component Amount (mg/L)	Peak Area	Peak Height	Limit Exceed
1	3.36	Unknown 1	0.000	4426005	248967	
2	4.07	Unknown 2	0.000	113515	10444	
3	4.75	Unknown 3	0.000	36706	3693	
4	10.93	Unknown 4	0.000	14746	861	

AY03973W01 1/5



Wet Lab Analysis

Air Toxics Ltd.
180 Blue Ravine Rd.
Folsom, CA 95630

APPL Inc.
908 North Temperance Avenue
Clovis, CA 93611

Attn: Ausha Scott

Project: 16512

Sample ID: 104943

APPL ID: AY03974

Sample Collection Date: No Date Specified

ARF: 59854

Method	Analyte	Result	PQL	Units	Prep Date	Analysis Date
EPA 300.0	Fluoride	Not detected	1.0	mg/L	09/29/09	09/29/09
EPA 300.0	Sulfate/Sulfite total	Not detected	5.0	mg/L	09/29/09	09/29/09

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Sample Analysis Report

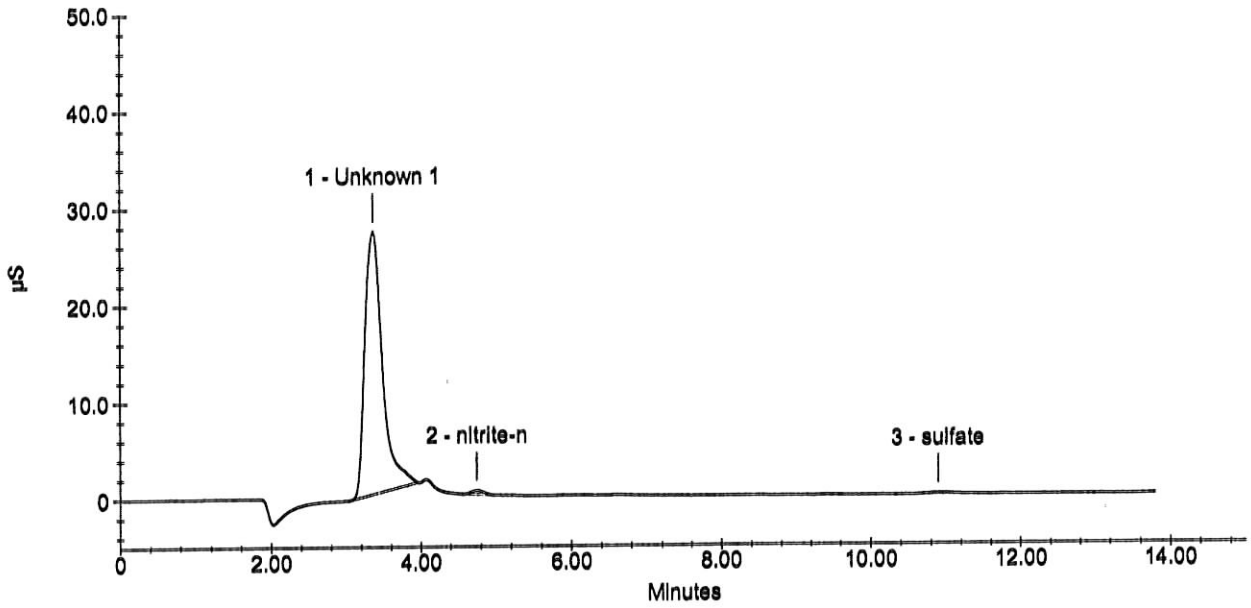
Sample Name : AY03974W01 1/5
Data File Name : i:\dionex\d1anions\data\090929a\090929a_014.DXD

Method File Name : i:\dionex\d1anions\methods\epa300 09-28-09low.met
Date Time Collected : 9/29/09 11:07:31
System Operator : pd
Injection Number : 14
Multiplier : 5.00

Peak Information : All Peaks

Peak Number	Peak Retention Time	Component Name	Component Amount (mg/L)	Peak Area	Peak Height	Limit Exceed
1	3.36	Unknown 1	0.0000	4399081	270167	
2	4.75	nitrite-n	0.4299	42357	4084	
3	10.89	sulfate	2.7711	12672	796	

AY03974W01



Sample Analysis Report

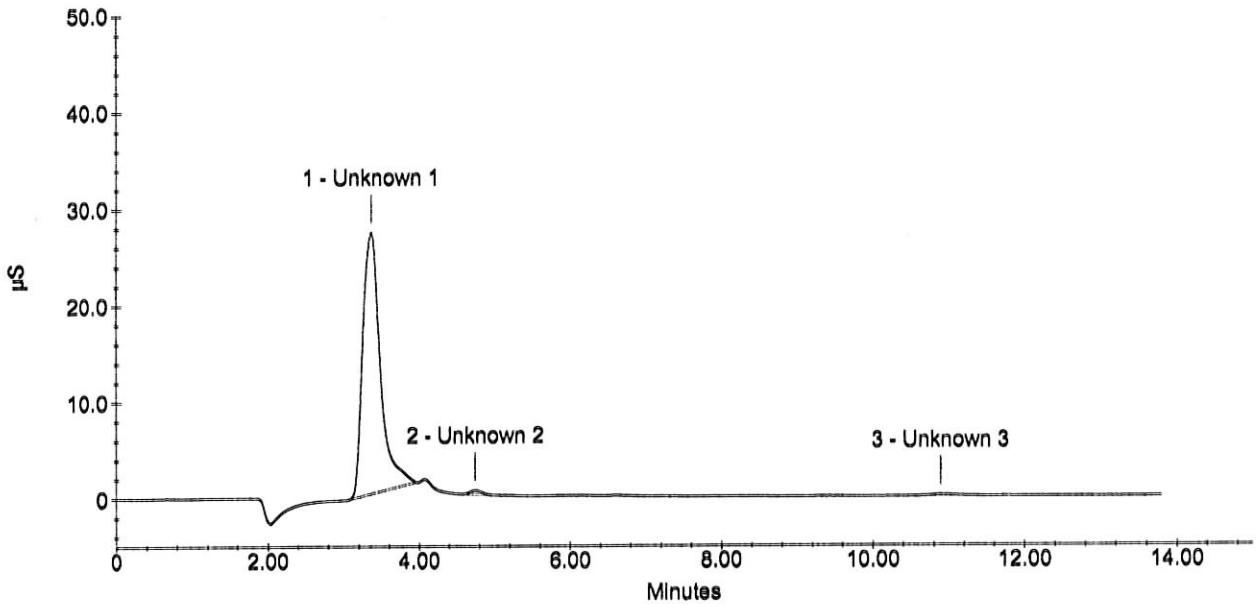
Sample Name : AY03974W01 1/5
Data File Name : i:\dionex\d1anions\data\090929a\090929a_014.DXD

Method File Name : I:\DIONEX\D1ANIONS\METHODS\EPAsufite 08-25-09Low.met
Date Time Collected : 9/29/09 11:07:31 AM
System Operator : pd
Injection Number : 14
Multiplier : 5.00

Peak Information : All Peaks

Peak Number	Peak Retention Time	Component Name	Component Amount (mg/L)	Peak Area	Peak Height	Limit Exceed
1	3.36	Unknown 1	0.000	4399081	270167	
2	4.75	Unknown 2	0.000	42357	4084	
3	10.89	Unknown 3	0.000	12672	796	

AY03974W01 1/5



Wet Lab Analysis

Air Toxics Ltd.
180 Blue Ravine Rd.
Folsom, CA 95630

APPL Inc.
908 North Temperance Avenue
Clovis, CA 93611

Attn: Ausha Scott

Project: 16512

Sample ID: 104944

APPL ID: AY03975

Sample Collection Date: No Date Specified

ARF: 59854

Method	Analyte	Result	PQL	Units	Prep Date	Analysis Date
EPA 300.0	Fluoride	Not detected	1.0	mg/L	09/29/09	09/29/09
EPA 300.0	Sulfate/Sulfite total	Not detected	5.0	mg/L	09/29/09	09/29/09

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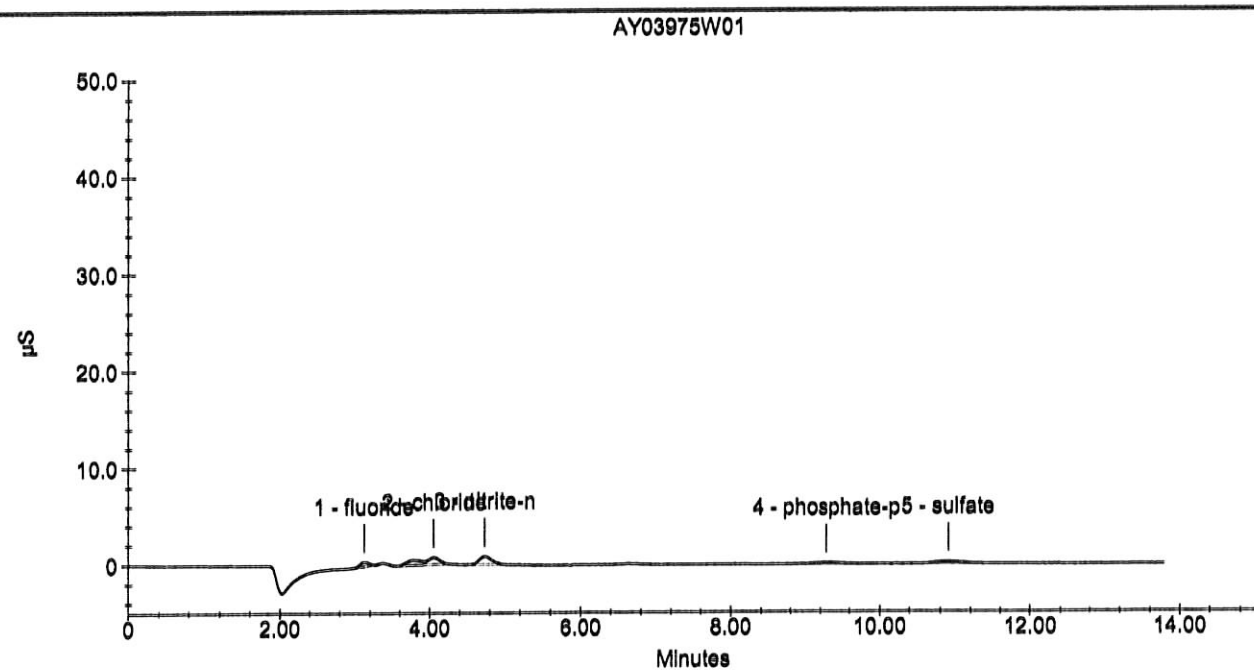
Sample Analysis Report

Sample Name : AY03975W01 \ /5
Data File Name : i:\dionex\d1anions\data\090929a\090929a_015.DXD

Method File Name : i:\dionex\d1anions\methods\epa300 09-28-09low.met
Date Time Collected : 9/29/09 11:23:57
System Operator : pd
Injection Number : 15
Multiplier : 5.00

Peak Information : All Peaks

Peak Number	Peak Retention Time	Component Name	Component Amount (mg/L)	Peak Area	Peak Height	Limit Exceed
1	3.12	fluoride	0.5168	33279	4199	
2	4.05	chloride	5.8570	150687	7011	
3	4.73	nitrite-n	0.6083	93498	8267	
4	9.28	phosphate-p	-0.2158	24251	1226	-
5	10.91	sulfate	3.0690	43469	1978	



Sample Analysis Report

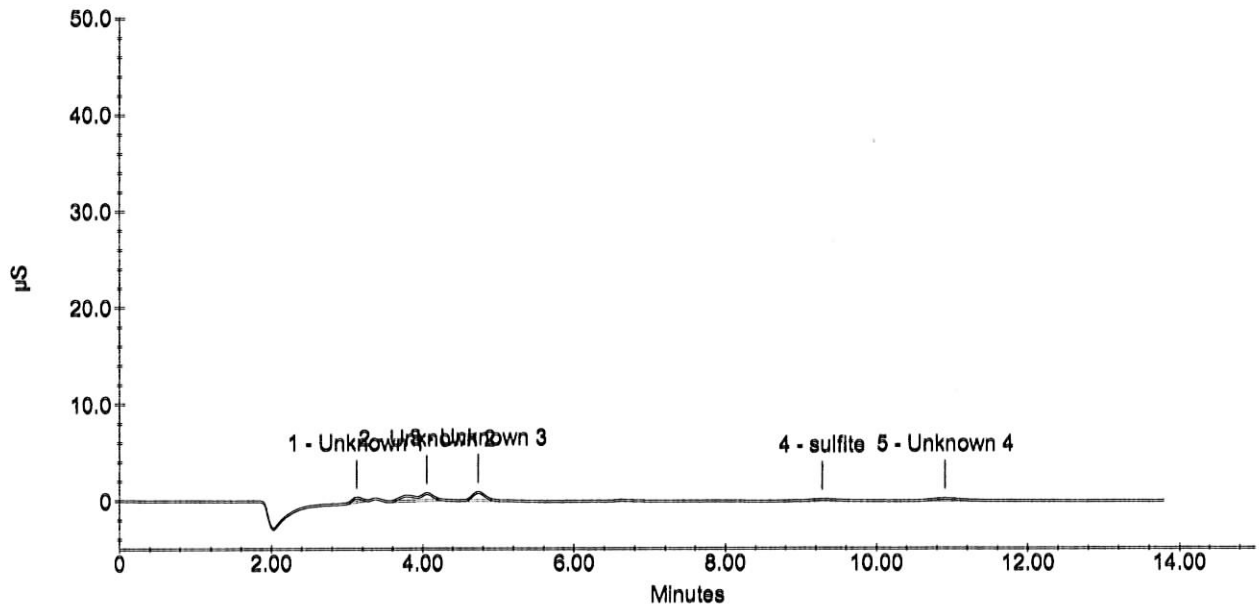
Sample Name : AY03975W01 1/5
Data File Name : i:\dionex\d1anions\data\090929a\090929a_015.DXD

Method File Name : I:\DIONEX\D1ANIONS\METHODS\EPAsufite 08-25-09Low.met
Date Time Collected : 9/29/09 11:23:57 AM
System Operator : pd
Injection Number : 15
Multiplier : 5.00

Peak Information : All Peaks

Peak Number	Peak Retention Time	Component Name	Component Amount (mg/L)	Peak Area	Peak Height	Limit Exceed
1	3.12	Unknown 1	0.000	33279	4199	
2	4.05	Unknown 2	0.000	150687	7011	
3	4.73	Unknown 3	0.000	93498	8267	
4	9.28	sulfite	0.138	24251	1226	-
5	10.91	Unknown 4	0.000	43469	1978	

AY03975W01 1/5



APPL, Inc.

Current Date : 10/6/09
Current Time : 10:47:58 AM

Wet Lab Analysis

Air Toxics Ltd.
180 Blue Ravine Rd.
Folsom, CA 95630

APPL Inc.
908 North Temperance Avenue
Clovis, CA 93611

Attn: Ausha Scott

Project: 16512

Sample ID: 104945

Sample Collection Date: No Date Specified

APPL ID: AY03976

ARF: 59854

Method	Analyte	Result	PQL	Units	Prep Date	Analysis Date
EPA 300.0	Fluoride	Not detected	1.0	mg/L	09/29/09	09/29/09
EPA 300.0	Sulfate/Sulfite total	Not detected	5.0	mg/L	09/29/09	09/29/09

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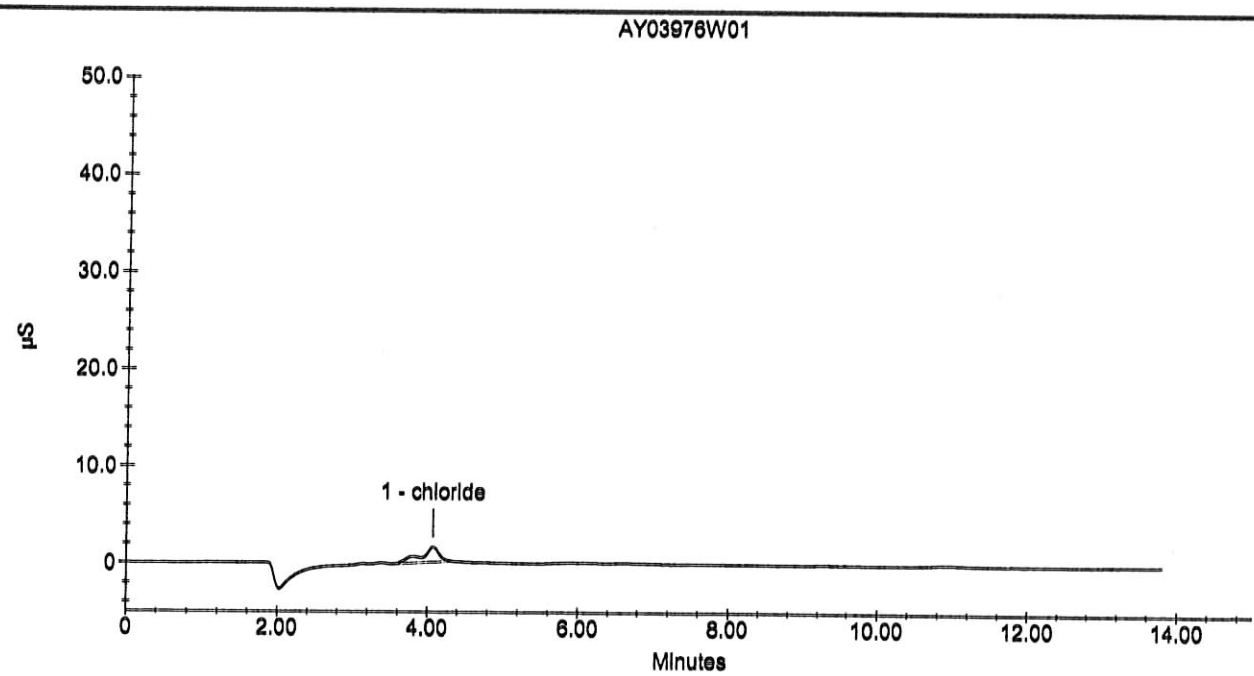
Sample Analysis Report

Sample Name : AY03976W01 1/5
Data File Name : i:\dionex\d1anions\data\090903a\090929a_016.DXD

Method File Name : i:\dionex\d1anions\methods\epa300 09-28-09low.met
Date Time Collected : 9/29/09 11:40:27
System Operator : pd
Injection Number : 16
Multiplier : 5.00

Peak Information : All Peaks

Peak Number	Peak Retention Time	Component Name	Component Amount (mg/L)	Peak Area	Peak Height	Limit Exceed
1	4.07	chloride	6.5557	263438	15422	



APPL, Inc.

Current Date : 9/29/09
Current Time : 12:09:16

Sample Analysis Report

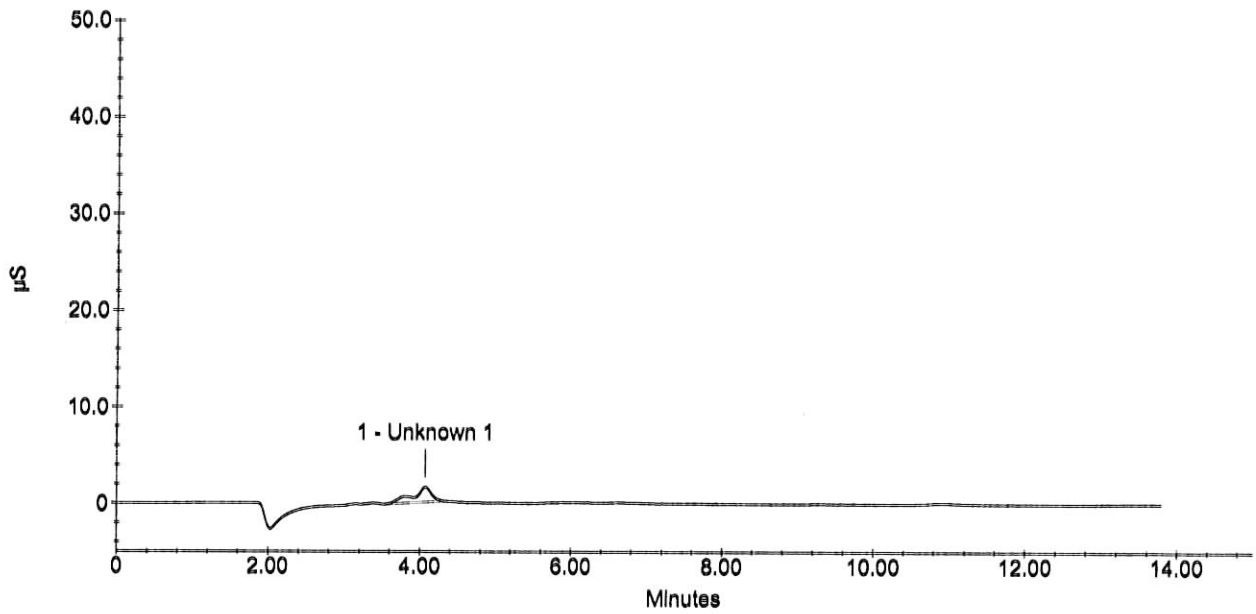
Sample Name : AY03976W01 1/5
Data File Name : i:\dionex\d1anions\data\090903a\090929a_016.DXD

Method File Name : I:\DIONEX\D1ANIONS\METHODS\EPAsufite 08-25-09Low.met
Date Time Collected : 9/29/09 11:40:27 AM
System Operator : pd
Injection Number : 16
Multiplier : 5.00

Peak Information : All Peaks

Peak Number	Peak Retention Time	Component Name	Component Amount (mg/L)	Peak Area	Peak Height	Limit Exceed
1	4.07	Unknown 1	0.000	263438	15422	

AY03976W01 1/5



Wet Lab Analysis

Air Toxics Ltd.
180 Blue Ravine Rd.
Folsom, CA 95630

APPL Inc.
908 North Temperance Avenue
Clovis, CA 93611

Attn: Ausha Scott

Project: 16512

Sample ID: 104946
Sample Collection Date: No Date Specified

APPL ID: AY03977
ARF: 59854

Method	Analyte	Result	PQL	Units	Prep Date	Analysis Date
EPA 300.0	Fluoride	Not detected	1.0	mg/L	09/29/09	09/29/09
EPA 300.0	Sulfate/Sulfite total	Not detected	5.0	mg/L	09/29/09	09/29/09

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Sample Analysis Report

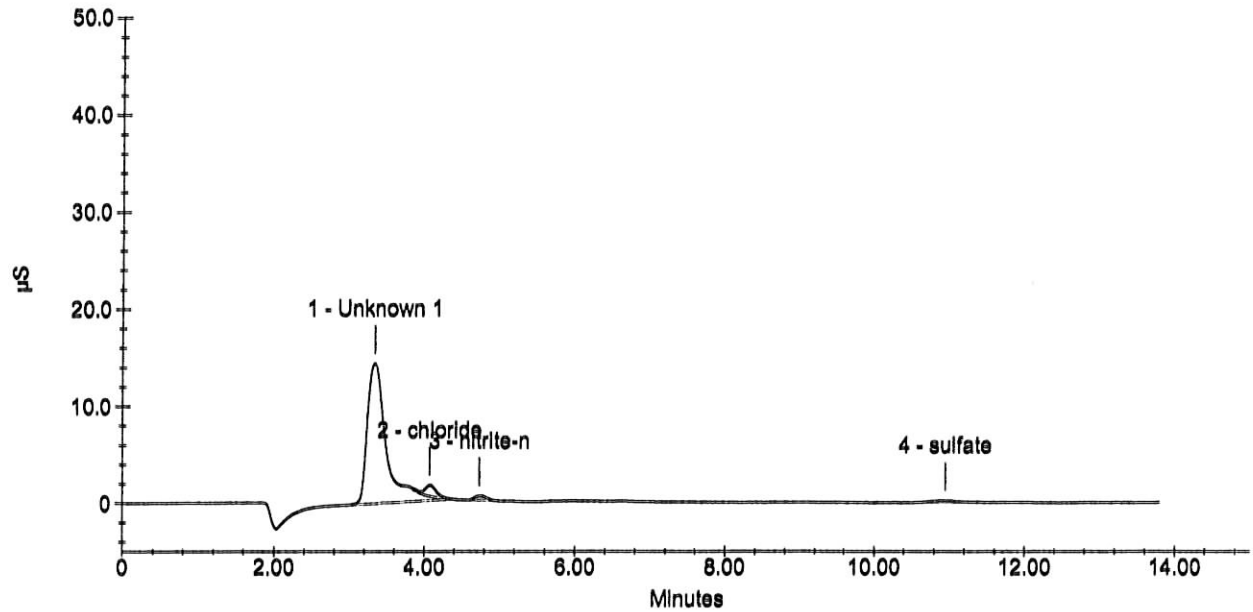
Sample Name : AY03977W01 1/5
Data File Name : i:\dionex\d1anions\data\090929a\090929a_017.DXD

Method File Name : i:\dionex\d1anions\methods\epa300 09-28-09low.met
Date Time Collected : 9/29/09 12:09:22
System Operator : pd
Injection Number : 17
Multiplier : 5.00

Peak Information : All Peaks

Peak Number	Peak Retention Time	Component Name	Component Amount (mg/L)	Peak Area	Peak Height	Limit Exceed
1	3.33	Unknown 1	0.0000	2576400	144010	
2	4.07	chloride	5.6583	118614	11228	
3	4.73	nitrite-n	0.4469	47244	4500	
4	10.95	sulfate	2.8883	24786	1284	

AY03977W01



Sample Analysis Report

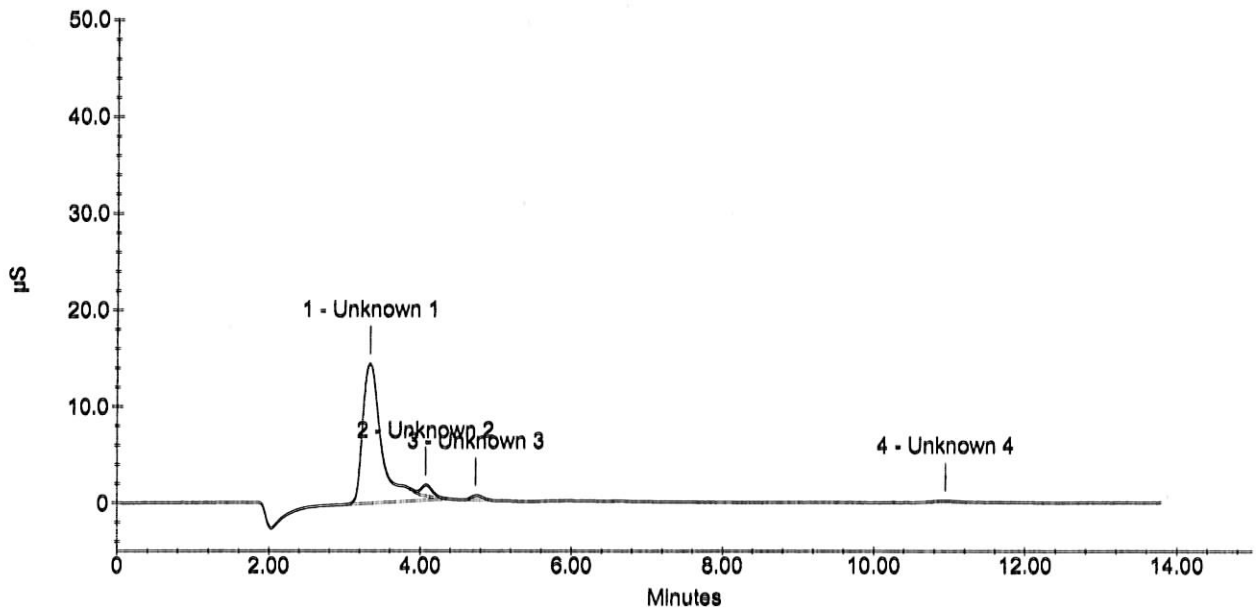
Sample Name : AY03977W01 1/5
Data File Name : i:\dionex\d1anions\data\090929a\090929a_017.DXD

Method File Name : I:\DIONEX\D1ANIONS\METHODS\EPAsufite 08-25-09Low.met
Date Time Collected : 9/29/09 12:09:22 PM
System Operator : pd
Injection Number : 17
Multiplier : 5.00

Peak Information : All Peaks

Peak Number	Peak Retention Time	Component Name	Component Amount (mg/L)	Peak Area	Peak Height	Limit Exceed
1	3.33	Unknown 1	0.000	2576400	144010	
2	4.07	Unknown 2	0.000	118614	11228	
3	4.73	Unknown 3	0.000	47244	4500	
4	10.95	Unknown 4	0.000	24786	1284	

AY03977W01 1/5



APPL, Inc.

Current Date : 10/6/09
Current Time : 10:48:08 AM

Wet Lab Analysis

Air Toxics Ltd.
180 Blue Ravine Rd.
Folsom, CA 95630

APPL Inc.
908 North Temperance Avenue
Clovis, CA 93611

Attn: Ausha Scott

Project: 16512

Sample ID: 104947

Sample Collection Date: No Date Specified

APPL ID: AY03978

ARF: 59854

Method	Analyte	Result	PQL	Units	Prep Date	Analysis Date
EPA 300.0	Fluoride	Not detected	1.0	mg/L	09/29/09	09/29/09
EPA 300.0	Sulfate/Sulfite total	Not detected	5.0	mg/L	09/29/09	09/29/09

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Sample Analysis Report

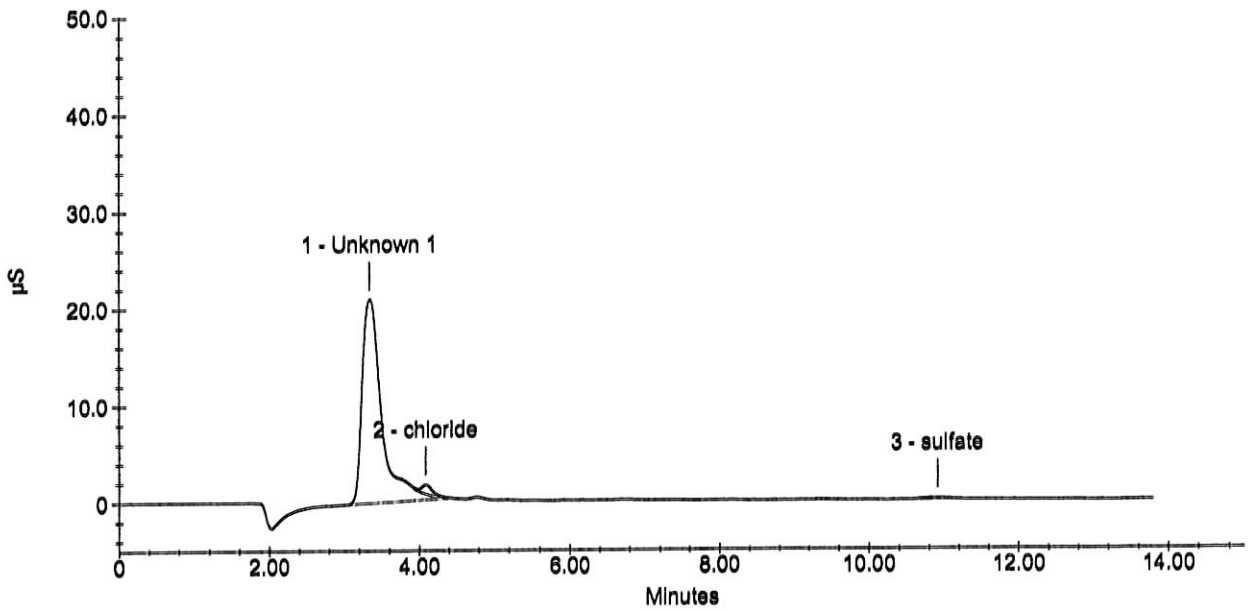
Sample Name : AY03978W01 1/5
Data File Name : i:\dionex\d1anions\data\090929a\090929a_025.DXD

Method File Name : i:\dionex\d1anions\methods\epa300 09-28-09low.met
Date Time Collected : 9/29/09 14:39:53
System Operator : pd
Injection Number : 25
Multiplier : 5.00

Peak Information : All Peaks

Peak Number	Peak Retention Time	Component Name	Component Amount (mg/L)	Peak Area	Peak Height	Limit Exceed
1	3.33	Unknown 1	0.0000	3815015	209398	
2	4.08	chloride	5.5484	100874	9425	
3	10.91	sulfate	2.8937	25350	1229	

AY03978W01



Sample Analysis Report

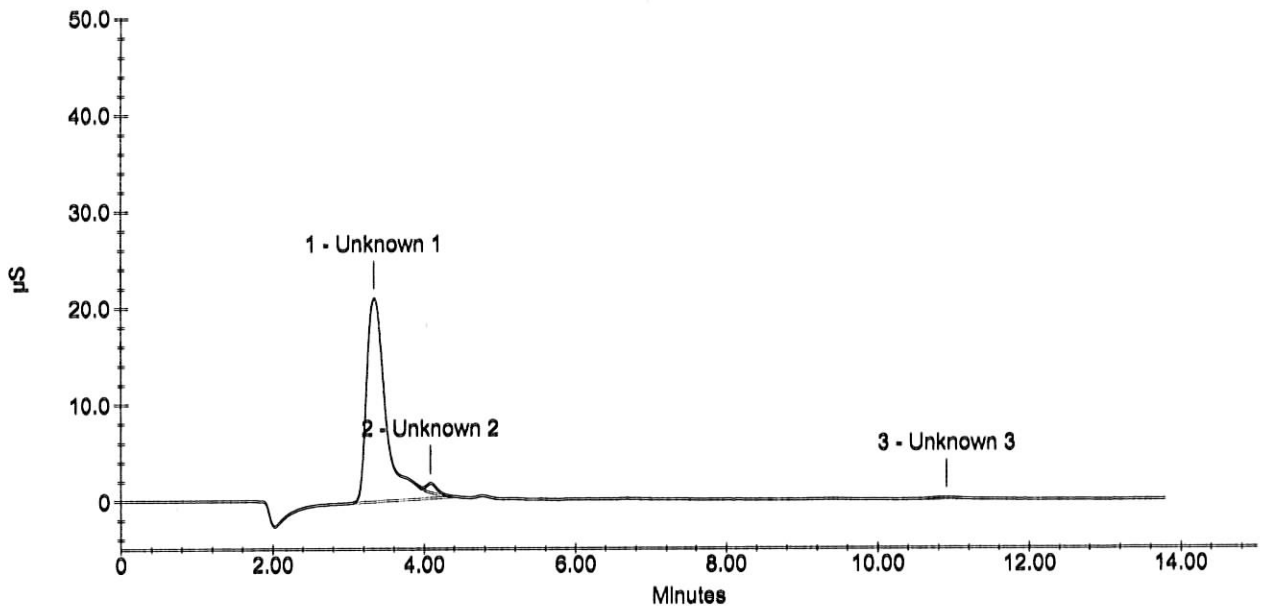
Sample Name : AY03978W01 1/5
Data File Name : i:\dionex\d1anions\data\090929a\090929a_025.DXD

Method File Name : I:\DIONEX\D1ANIONS\METHODS\EPAsufite 08-25-09Low.met
Date Time Collected : 9/29/09 14:39:53
System Operator : pd
Injection Number : 25
Multiplier : 5.00

Peak Information : All Peaks

Peak Number	Peak Retention Time	Component Name	Component Amount (mg/L)	Peak Area	Peak Height	Limit Exceed
1	3.33	Unknown 1	0.0000	3815015	209398	
2	4.08	Unknown 2	0.0000	100874	9425	
3	10.91	Unknown 3	0.0000	25350	1229	

AY03978W01 1/5



Wet Lab Analysis

Air Toxics Ltd.
180 Blue Ravine Rd.
Folsom, CA 95630

APPL Inc.
908 North Temperance Avenue
Clovis, CA 93611

Attn: Ausha Scott

Project: 16512

Sample ID: 102897

APPL ID: AY03979

Sample Collection Date: No Date Specified

ARF: 59854

Method	Analyte	Result	PQL	Units	Prep Date	Analysis Date
EPA 300.0	Fluoride	Not detected	1.0	mg/L	09/29/09	09/29/09
EPA 300.0	Sulfate/Sulfite total	Not detected	5.0	mg/L	09/29/09	09/29/09

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Printed: 10/07/09 4:41:22 PM

Sample Analysis Report

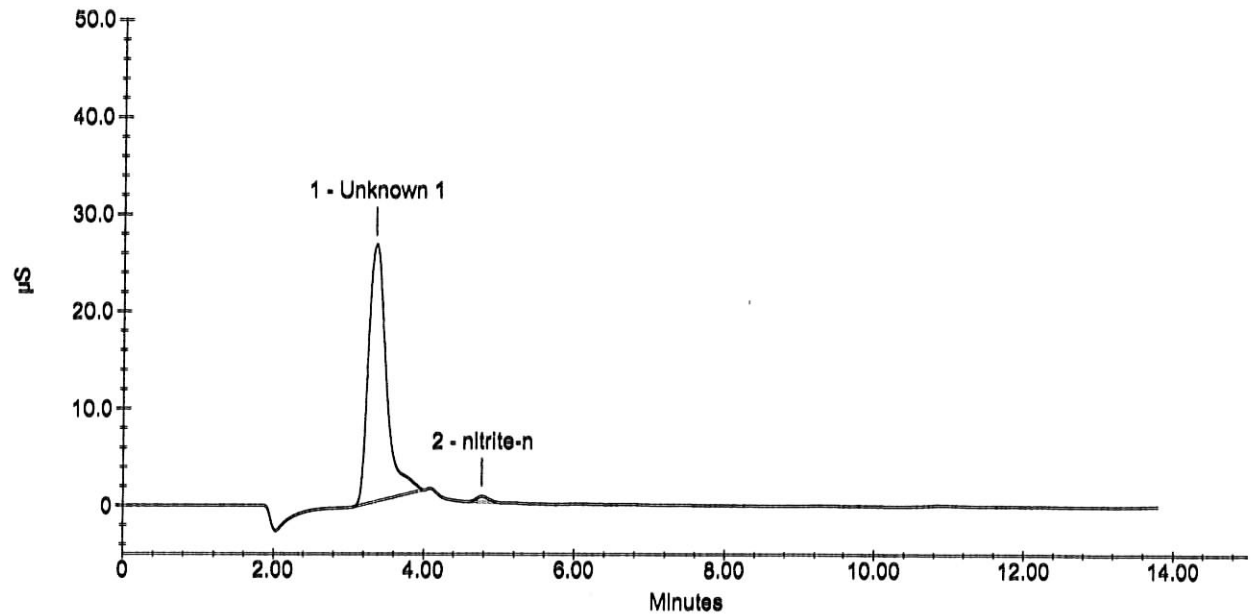
Sample Name : AY03979W01 1/5
Data File Name : i:\dionex\d1anions\data\090903a\090929a_026.DXD

Method File Name : i:\dionex\d1anions\methods\epa300 09-28-09low.met
Date Time Collected : 9/29/09 14:56:22
System Operator : pd
Injection Number : 26
Multiplier : 5.00

Peak Information : All Peaks

Peak Number	Peak Retention Time	Component Name	Component Amount (mg/L)	Peak Area	Peak Height	Limit Exceed
1	3.35	Unknown 1	0.0000	4412971	263118	
2	4.77	nitrite-n	0.5039	63561	5833	

AY03979W01



Sample Analysis Report

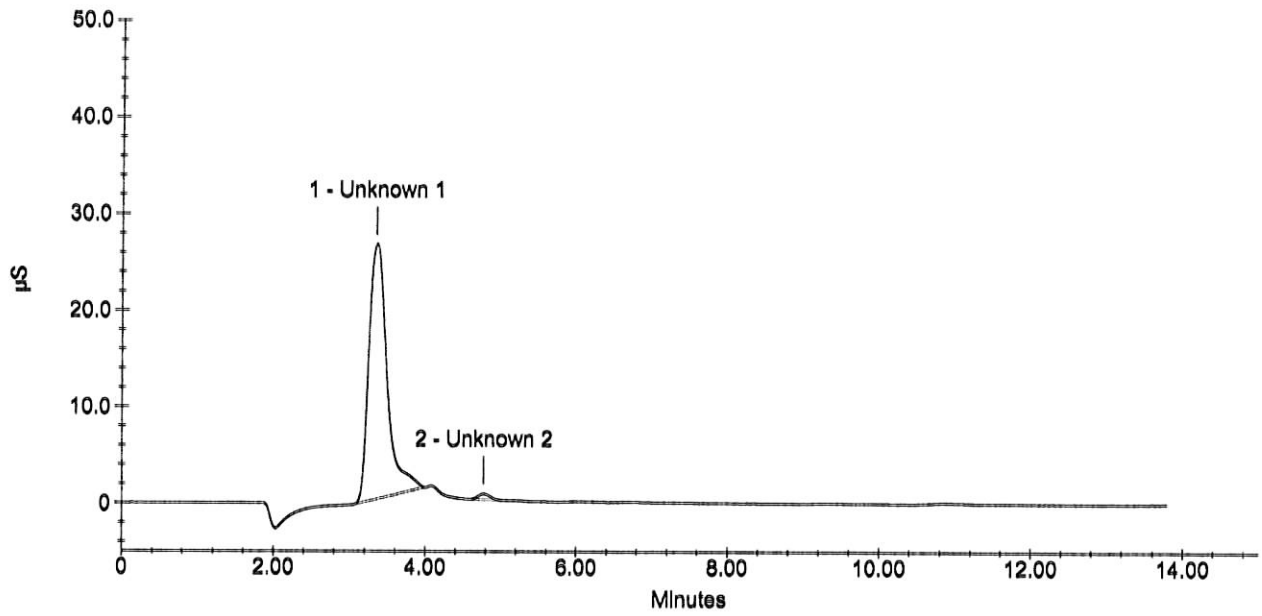
Sample Name : AY03979W01 1/5
Data File Name : i:\dionex\d1anions\data\090903a\090929a_026.DXD

Method File Name : I:\DIONEX\D1ANIONS\METHODS\EPAsufite 08-25-09Low.met
Date Time Collected : 9/29/09 14:56:22
System Operator : pd
Injection Number : 26
Multiplier : 5.00

Peak Information : All Peaks

Peak Number	Peak Retention Time	Component Name	Component Amount (mg/L)	Peak Area	Peak Height	Limit Exceed
1	3.35	Unknown 1	0.0000	4412971	263118	
2	4.77	Unknown 2	0.0000	63561	5833	

AY03979W01 1/5



APPL, Inc.

Current Date : 10/6/09
Current Time : 13:17:39

Wet Lab Analysis

Air Toxics Ltd.
180 Blue Ravine Rd.
Folsom, CA 95630

APPL Inc.
908 North Temperance Avenue
Clovis, CA 93611

Attn: Ausha Scott

Project: 16512

Sample ID: 102898

APPL ID: AY03980

Sample Collection Date: No Date Specified

ARF: 59854

Method	Analyte	Result	PQL	Units	Prep Date	Analysis Date
EPA 300.0	Fluoride	Not detected	1.0	mg/L	09/29/09	09/29/09
EPA 300.0	Sulfate/Sulfite total	Not detected	5.0	mg/L	09/29/09	09/29/09

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Sample Analysis Report

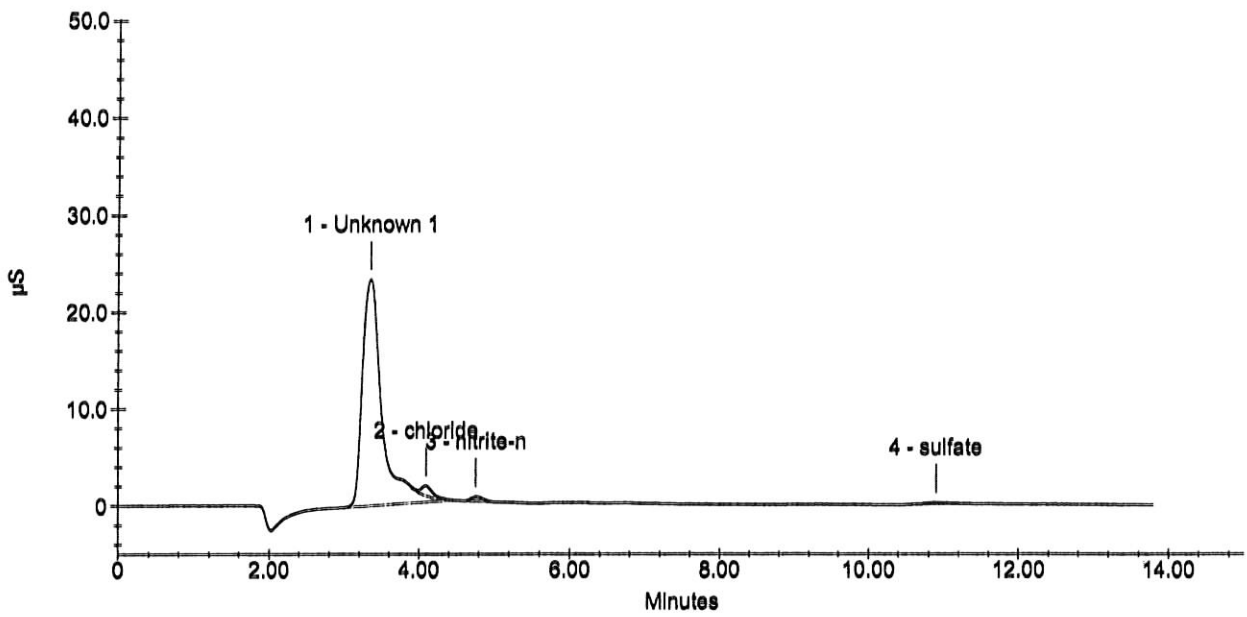
Sample Name : AY03980W01 115
Data File Name : i:\dionex\d1anions\data\090929a\090929a_027.DXD

Method File Name : i:\dionex\d1anions\methods\epa300 09-28-09low.met
Date Time Collected : 9/29/09 15:12:46
System Operator : pd
Injection Number : 27
Multiplier : 5.00

Peak Information : All Peaks

Peak Number	Peak Retention Time	Component Name	Component Amount (mg/L)	Peak Area	Peak Height	Limit Exceed
1	3.35	Unknown 1	0.0000	4289658	233260	
2	4.09	chloride	5.5921	107935	10329	
3	4.76	nitrite-n	0.4453	46773	4416	
4	10.89	sulfate	2.9324	29346	1291	

AY03980W01



APPL, Inc.

Current Date : 9/29/09
Current Time : 15:29:11

Sample Analysis Report

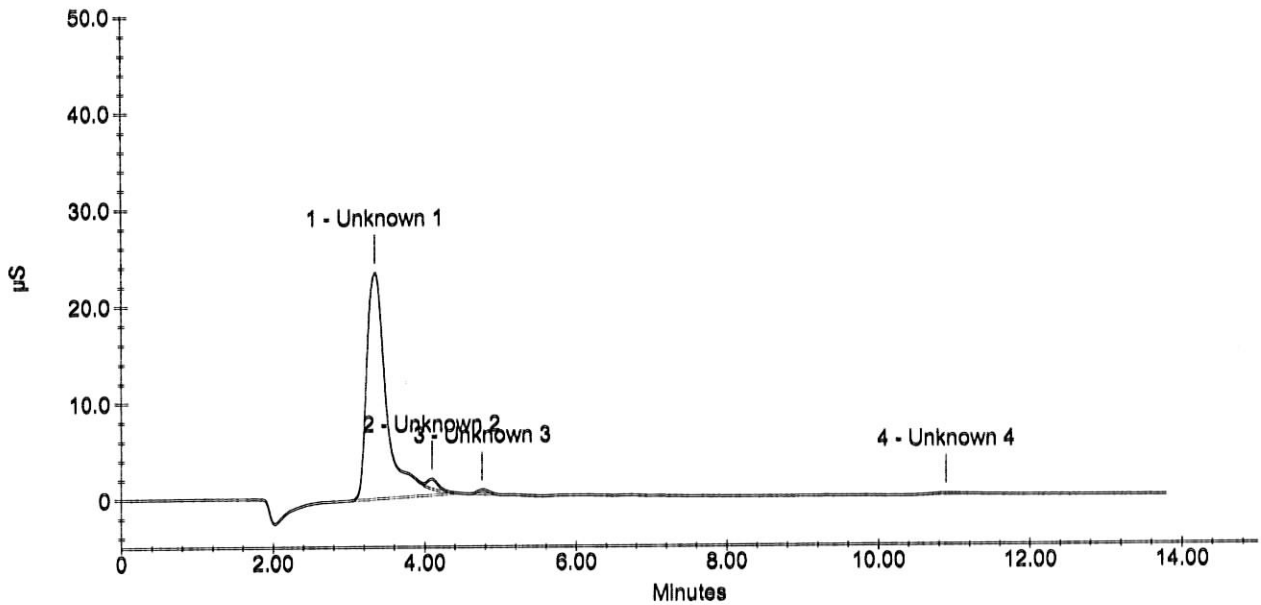
Sample Name : AY03980W01 1/5
Data File Name : i:\dionex\d1anions\data\090929a\090929a_027.DXD

Method File Name : I:\DIONEX\D1ANIONS\METHODS\EPAsufite 08-25-09Low.met
Date Time Collected : 9/29/09 15:12:46
System Operator : pd
Injection Number : 27
Multiplier : 5.00

Peak Information : All Peaks

Peak Number	Peak Retention Time	Component Name	Component Amount (mg/L)	Peak Area	Peak Height	Limit Exceed
1	3.35	Unknown 1	0.0000	4289658	233260	
2	4.09	Unknown 2	0.0000	107935	10329	
3	4.76	Unknown 3	0.0000	46773	4416	
4	10.89	Unknown 4	0.0000	29346	1291	

AY03980W01 1/5



Wet Lab Analysis

Air Toxics Ltd.
180 Blue Ravine Rd.
Folsom, CA 95630

APPL Inc.
908 North Temperance Avenue
Clovis, CA 93611

Attn: Ausha Scott

Project: 16512

Sample ID: 102905

APPL ID: AY03981

Sample Collection Date: No Date Specified

ARF: 59854

Method	Analyte	Result	PQL	Units	Prep Date	Analysis Date
EPA 300.0	Fluoride	Not detected	1.0	mg/L	09/30/09	09/30/09
EPA 300.0	Sulfate/Sulfite total	Not detected	5.0	mg/L	09/30/09	09/30/09

Sample Analysis Report

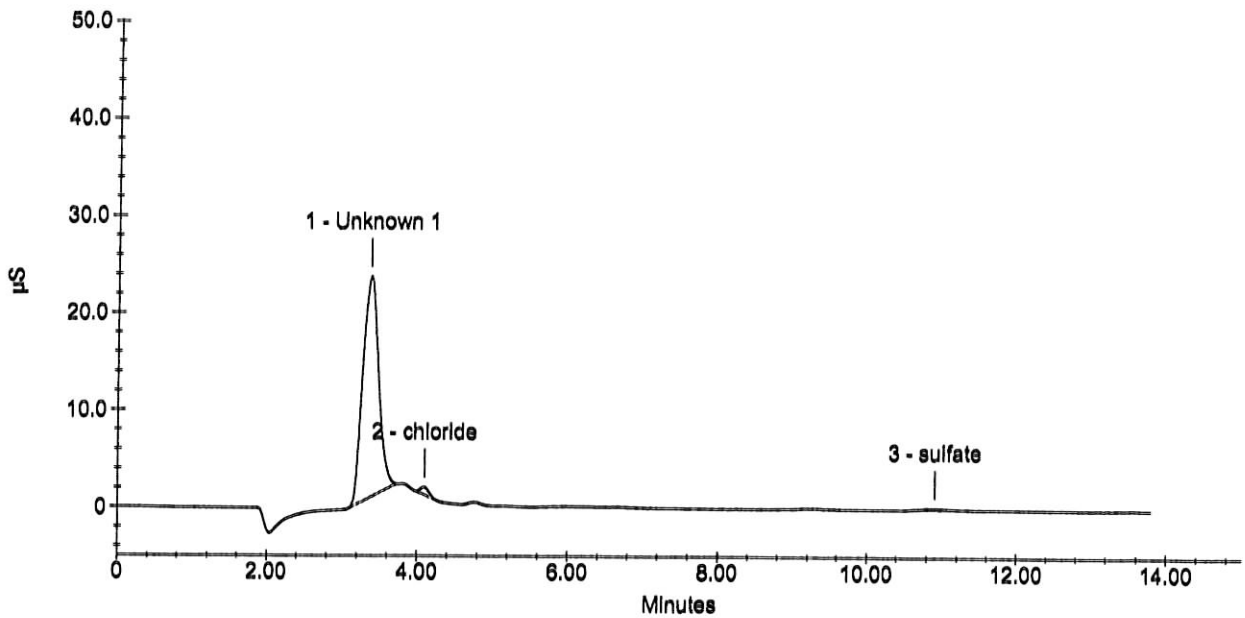
Sample Name : AY03981W01
Data File Name : i:\dionex\d1anions\data\090930a\090930a_008.DXD

Method File Name : i:\dionex\d1anions\methods\epa300 09-28-09low.met
Date Time Collected : 9/30/09 12:33:59
System Operator : pd
Injection Number : 8
Multiplier : 5.00

Peak Information : All Peaks

Peak Number	Peak Retention Time	Component Name	Component Amount (mg/L)	Peak Area	Peak Height	Limit Exceed
1	3.37	Unknown 1	0.0000	3327367	227128	
2	4.09	chloride	5.2993	60679	7894	
3	10.91	sulfate	2.8667	22554	1230	

AY03981W01



APPL, Inc.

Current Date : 9/30/09
Current Time : 12:50:20

Sample Analysis Report

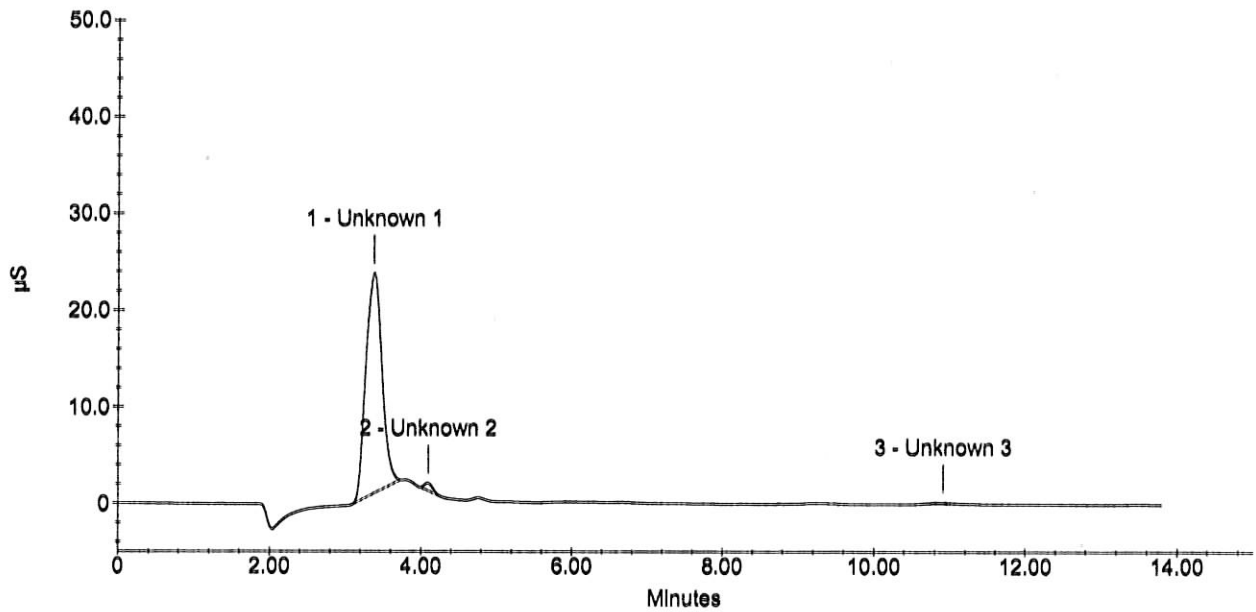
Sample Name : AY03981W01 1/5
Data File Name : i:\dionex\d1anions\data\090930a\090930a_008.DXD

Method File Name : I:\DIONEX\D1ANIONS\METHODS\EPAsufite 08-25-09Low.met
Date Time Collected : 9/30/09 12:33:59 PM
System Operator : pd
Injection Number : 8
Multiplier : 5.00

Peak Information : All Peaks

Peak Number	Peak Retention Time	Component Name	Component Amount (mg/L)	Peak Area	Peak Height	Limit Exceed
1	3.37	Unknown 1	0.000	3327367	227128	
2	4.09	Unknown 2	0.000	60679	7894	
3	10.91	Unknown 3	0.000	22554	1230	

AY03981W01 1/5



Wet Lab Analysis

Air Toxics Ltd.
180 Blue Ravine Rd.
Folsom, CA 95630

APPL Inc.
908 North Temperance Avenue
Clovis, CA 93611

Attn: Ausha Scott

Project: 16512

Sample ID: 102909

Sample Collection Date: No Date Specified

APPL ID: AY03982

ARF: 59854

Method	Analyte	Result	PQL	Units	Prep Date	Analysis Date
EPA 300.0	Fluoride	Not detected	1.0	mg/L	09/30/09	09/30/09
EPA 300.0	Sulfate/Sulfite total	Not detected	5.0	mg/L	09/30/09	09/30/09

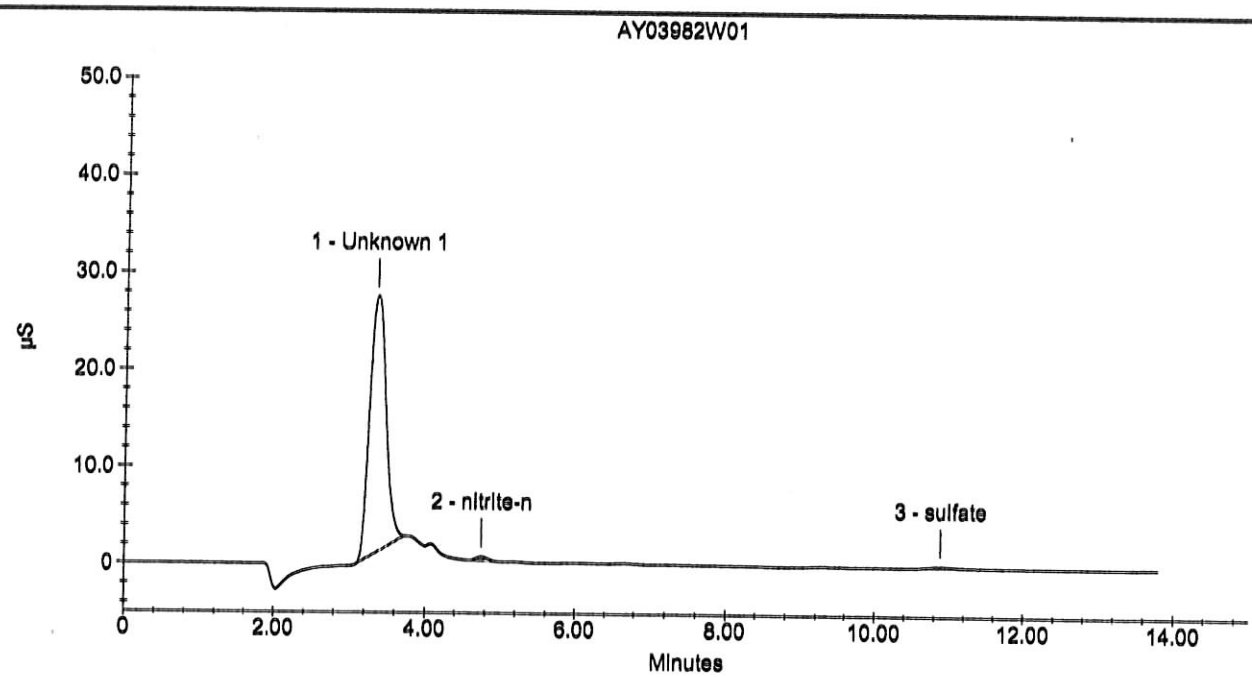
Sample Analysis Report

Sample Name : AY03982W01
Data File Name : i:\dionex\d1anions\data\090930a\090930a_009.DXD

Method File Name : i:\dionex\d1anions\methods\epa300 09-28-09low.met
Date Time Collected : 9/30/09 12:50:25
System Operator : pd
Injection Number : 9
Multiplier : 5.00

Peak Information : All Peaks

Peak Number	Peak Retention Time	Component Name	Component Amount (mg/L)	Peak Area	Peak Height	Limit Exceed
1	3.33	Unknown 1	0.0000	3894674	263409	
2	4.75	nitrite-n	0.4189	39199	3924	
3	10.88	sulfate	2.8201	17742	1009	



APPL, Inc.

Current Date : 9/30/09
Current Time : 13:06:46

Sample Analysis Report

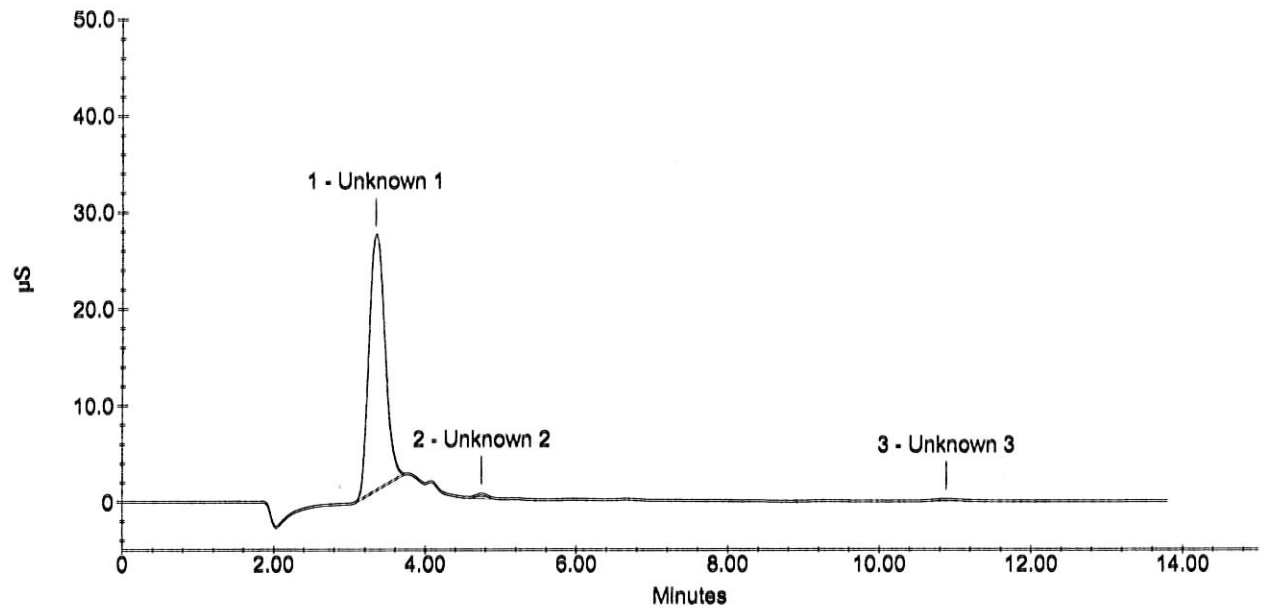
Sample Name : AY03982W01 1/5
Data File Name : i:\dionex\d1anions\data\090930a\090930a_009.DXD

Method File Name : I:\DIONEX\D1ANIONS\METHODS\EPAsufite 08-25-09Low.met
Date Time Collected : 9/30/09 12:50:25 PM
System Operator : pd
Injection Number : 9
Multiplier : 5.00

Peak Information : All Peaks

Peak Number	Peak Retention Time	Component Name	Component Amount (mg/L)	Peak Area	Peak Height	Limit Exceed
1	3.33	Unknown 1	0.000	3894674	263409	
2	4.75	Unknown 2	0.000	39199	3924	
3	10.88	Unknown 3	0.000	17742	1009	

AY03982W01 1/5



Wet Lab Analysis

Air Toxics Ltd.
180 Blue Ravine Rd.
Folsom, CA 95630

APPL Inc.
908 North Temperance Avenue
Clovis, CA 93611

Attn: Ausha Scott

Project: 16512

Sample ID: 102913
Sample Collection Date: No Date Specified

APPL ID: AY03983
ARF: 59854

Method	Analyte	Result	PQL	Units	Prep Date	Analysis Date
EPA 300.0	Fluoride	Not detected	1.0	mg/L	09/30/09	09/30/09
EPA 300.0	Sulfate/Sulfite total	Not detected	5.0	mg/L	09/30/09	09/30/09

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Printed: 10/07/09 4:41:22 PM

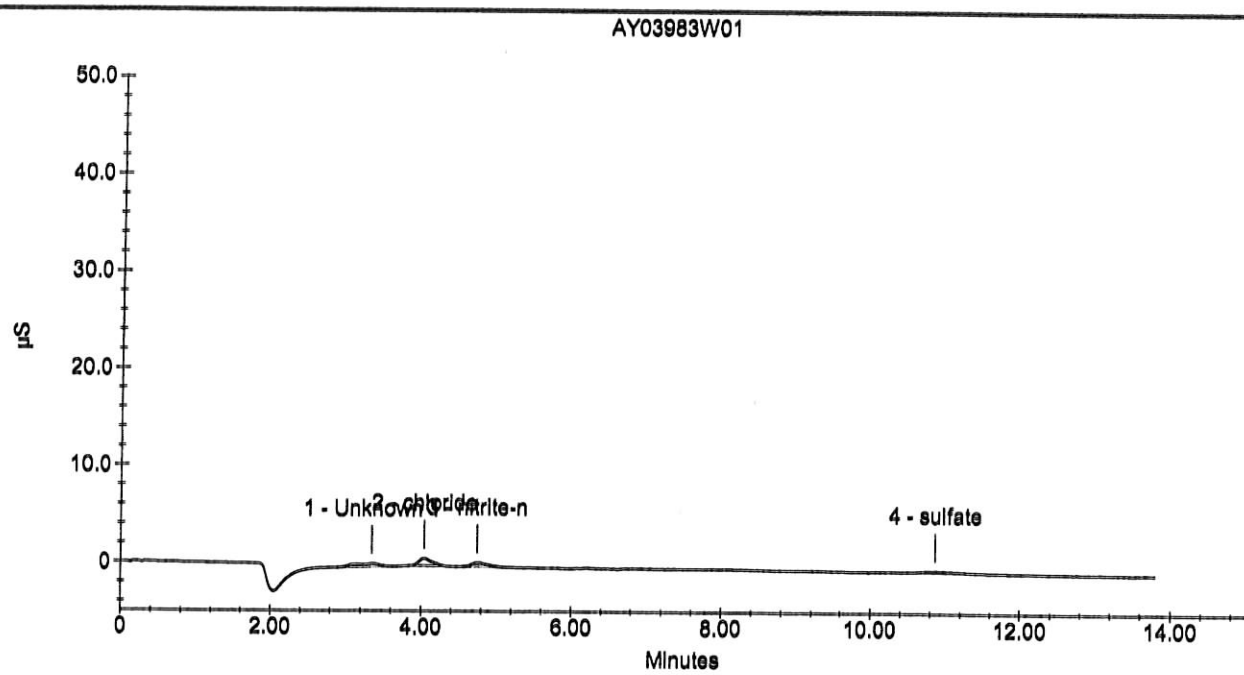
Sample Analysis Report

Sample Name : AY03983W01
Data File Name : i:\dionex\d1anions\data\090930a\090930a_011.DXD

Method File Name : i:\dionex\d1anions\methods\epa300 09-28-09low.met
Date Time Collected : 9/30/09 14:52:45
System Operator : pd
Injection Number : 11
Multiplier : 5.00

Peak Information : All Peaks

Peak Number	Peak Retention Time	Component Name	Component Amount (mg/L)	Peak Area	Peak Height	Limit Exceed
1	3.35	Unknown 1	0.0000	62419	2765	
2	4.04	chloride	5.4740	88870	7449	
3	4.75	nitrite-n	0.4597	50898	3788	
4	10.87	sulfate	2.8894	24899	1139	



Sample Analysis Report

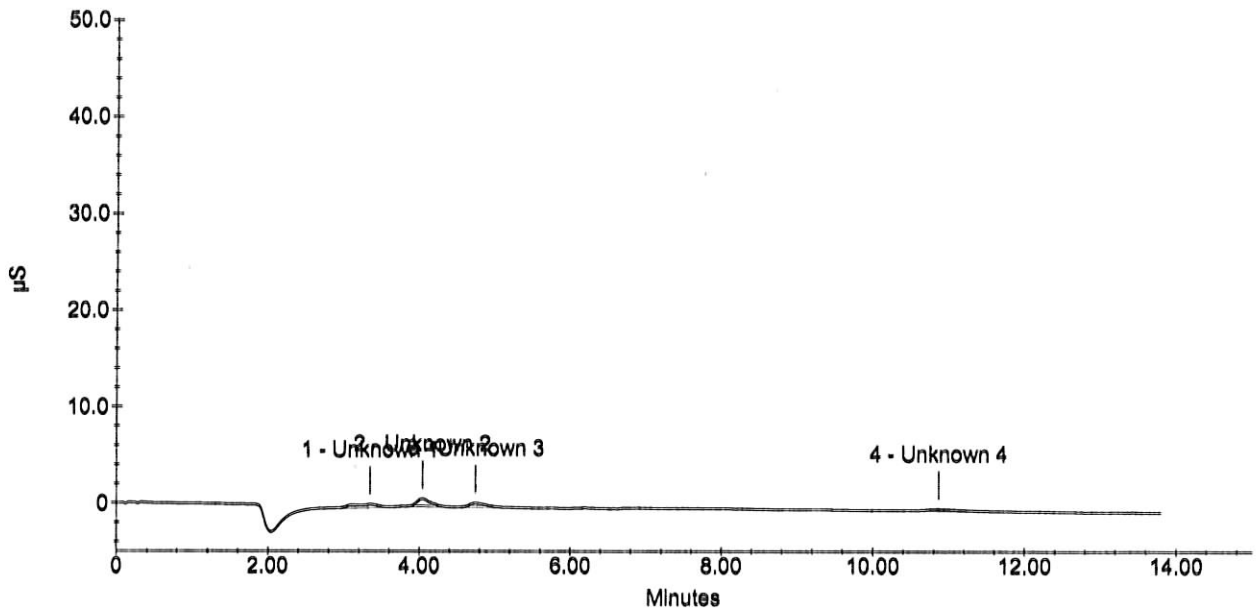
Sample Name : AY03983W01 1/5
Data File Name : i:\dionex\d1anions\data\090930a\090930a_011.DXD

Method File Name : I:\DIONEX\D1ANIONS\METHODS\EPAsufite 08-25-09Low.met
Date Time Collected : 9/30/09 2:52:45 PM
System Operator : pd
Injection Number : 11
Multiplier : 5.00

Peak Information : All Peaks

Peak Number	Peak Retention Time	Component Name	Component Amount (mg/L)	Peak Area	Peak Height	Limit Exceed
1	3.35	Unknown 1	0.000	62419	2765	
2	4.04	Unknown 2	0.000	88870	7449	
3	4.75	Unknown 3	0.000	50898	3788	
4	10.87	Unknown 4	0.000	24899	1139	

AY03983W01 1/5



APPL, Inc.

Current Date : 10/6/09
Current Time : 10:54:25 AM

Wet Lab Analysis

Air Toxics Ltd.
180 Blue Ravine Rd.
Folsom, CA 95630

APPL Inc.
908 North Temperance Avenue
Clovis, CA 93611

Attn: Ausha Scott

Project: 16512

Sample ID: 106259

APPL ID: AY03984

Sample Collection Date: No Date Specified

ARF: 59854

Method	Analyte	Result	PQL	Units	Prep Date	Analysis Date
EPA 300.0	Fluoride	Not detected	1.0	mg/L	09/30/09	09/30/09
EPA 300.0	Sulfate/Sulfite total	Not detected	5.0	mg/L	09/30/09	09/30/09

Form 1 - APPL Standard Wetlab - No MC
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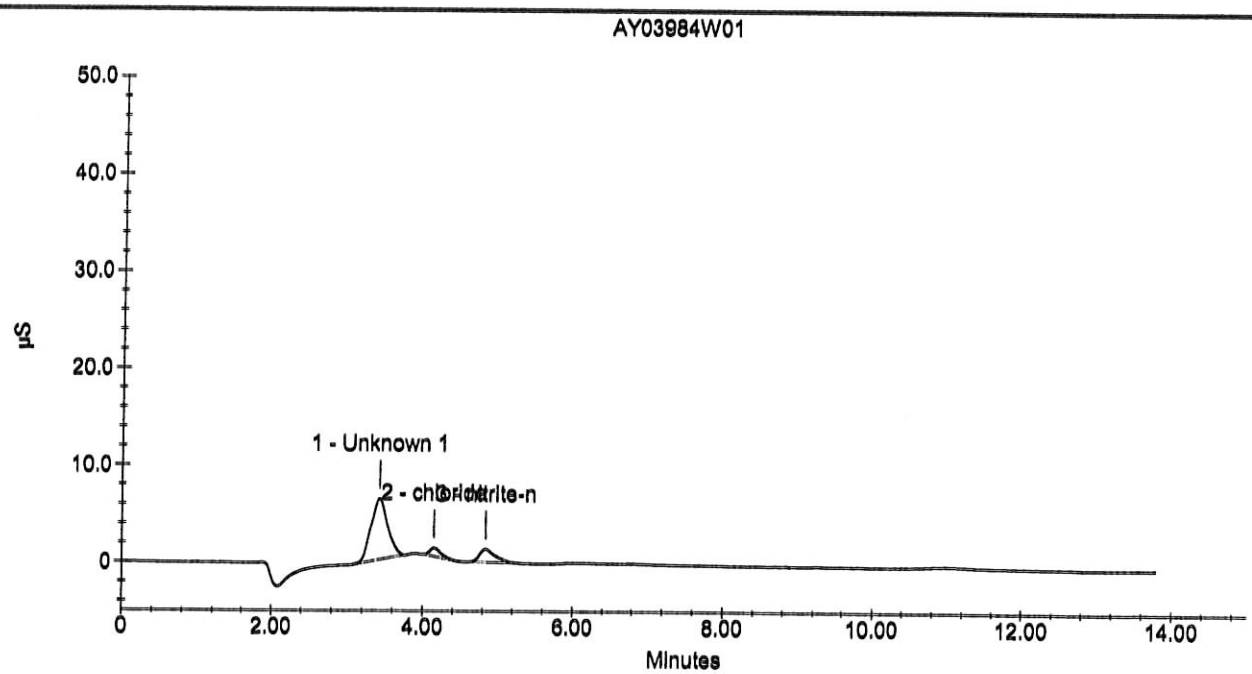
Sample Analysis Report

Sample Name : AY03984W01
Data File Name : i:\dionex\d1anions\data\090930a\090930a_012.DXD

Method File Name : i:\dionex\d1anions\methods\epa300 09-28-09low.met
Date Time Collected : 9/30/09 15:09:16
System Operator : pd
Injection Number : 12
Multiplier : 5.00

Peak Information : All Peaks

Peak Number	Peak Retention Time	Component Name	Component Amount (mg/L)	Peak Area	Peak Height	Limit Exceed
1	3.43	Unknown 1	0.0000	950369	62658	
2	4.15	chloride	5.4666	87670	8504	
3	4.84	nitrite-n	0.9556	193090	13308	



APPL, Inc.

Current Date : 9/30/09
Current Time : 15:25:37

Sample Analysis Report

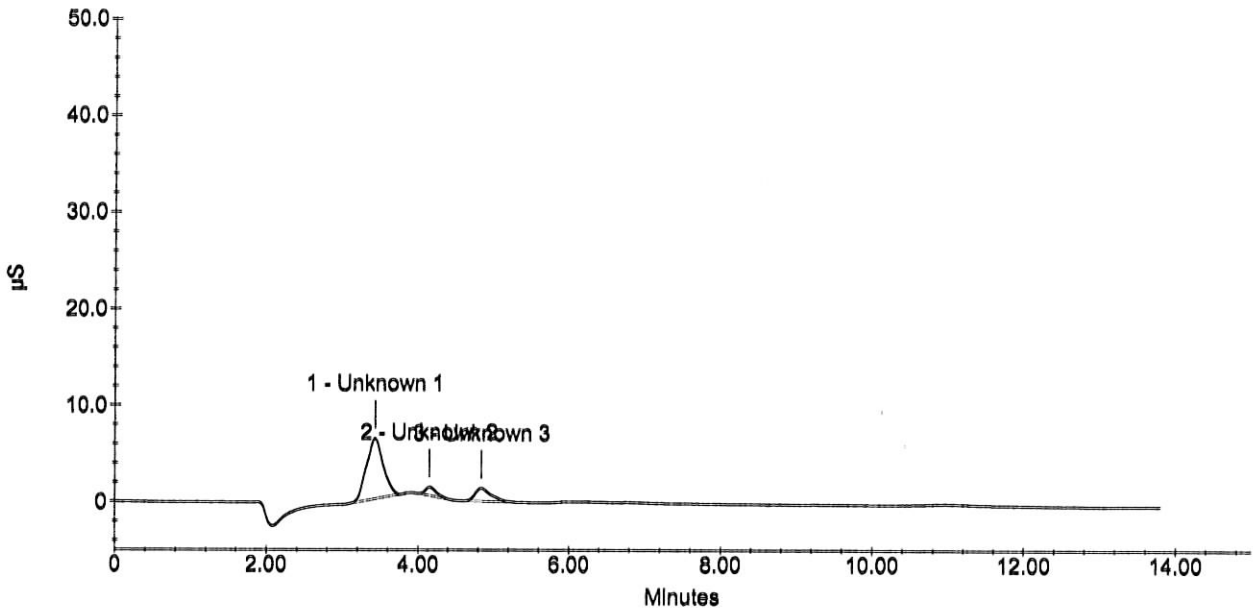
Sample Name : AY03984W01 1/5
Data File Name : i:\dionex\d1anions\data\090930a\090930a_012.DXD

Method File Name : I:\DIONEX\D1ANIONS\METHODS\EPAsufite 08-25-09Low.met
Date Time Collected : 9/30/09 3:09:16 PM
System Operator : pd
Injection Number : 12
Multiplier : 5.00

Peak Information : All Peaks

Peak Number	Peak Retention Time	Component Name	Component Amount (mg/L)	Peak Area	Peak Height	Limit Exceed
1	3.43	Unknown 1	0.000	950369	62658	
2	4.15	Unknown 2	0.000	87670	8504	
3	4.84	Unknown 3	0.000	193090	13308	

AY03984W01 1/5



APPL, Inc.

Current Date : 10/6/09
Current Time : 10:54:30 AM

Wet Lab Analysis

Air Toxics Ltd.
180 Blue Ravine Rd.
Folsom, CA 95630

APPL Inc.
908 North Temperance Avenue
Clovis, CA 93611

Attn: Ausha Scott

Project: 16512

Sample ID: 106260
Sample Collection Date: No Date Specified

APPL ID: AY03985
ARF: 59854

Method	Analyte	Result	PQL	Units	Prep Date	Analysis Date
EPA 300.0	Fluoride	Not detected	1.0	mg/L	10/01/09	10/01/09
EPA 300.0	Sulfate/Sulfite total	Not detected	5.0	mg/L	10/01/09	10/01/09

Form 1 - APPL Standard Wetlab - No MC
Printed: 10/07/09 4:41:22 PM

Sample Analysis Report

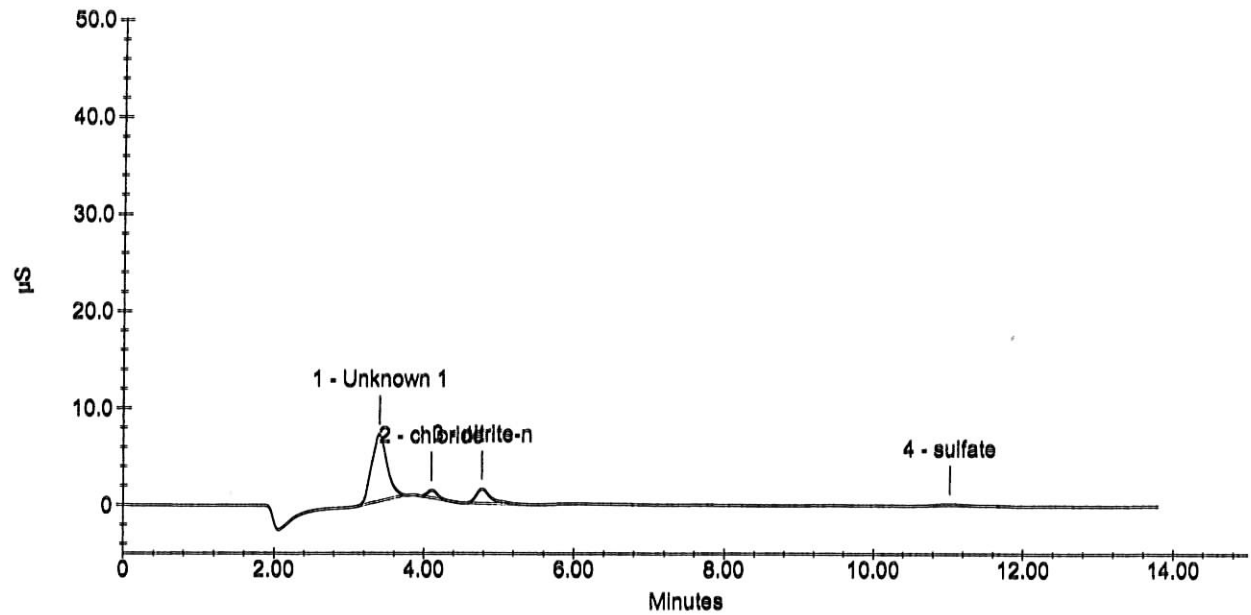
Sample Name : AY03985w01 \ 15
Data File Name : i:\dionex\d1anions\data\090930a\091001a_086.DXD

Method File Name : i:\dionex\d1anions\methods\epa300 09-28-09low.met
Date Time Collected : 10/1/09 13:09:13
System Operator : pd
Injection Number : 86
Multiplier : 5.00

Peak Information : All Peaks

Peak Number	Peak Retention Time	Component Name	Component Amount (mg/L)	Peak Area	Peak Height	Limit Exceed
1	3.40	Unknown 1	0.0000	967578	68829	
2	4.09	chloride	5.3589	70296	7395	
3	4.77	nitrite-n	0.9812	200426	14562	
4	11.01	sulfate	2.9426	30406	1350	

AY03985w01



Sample Analysis Report

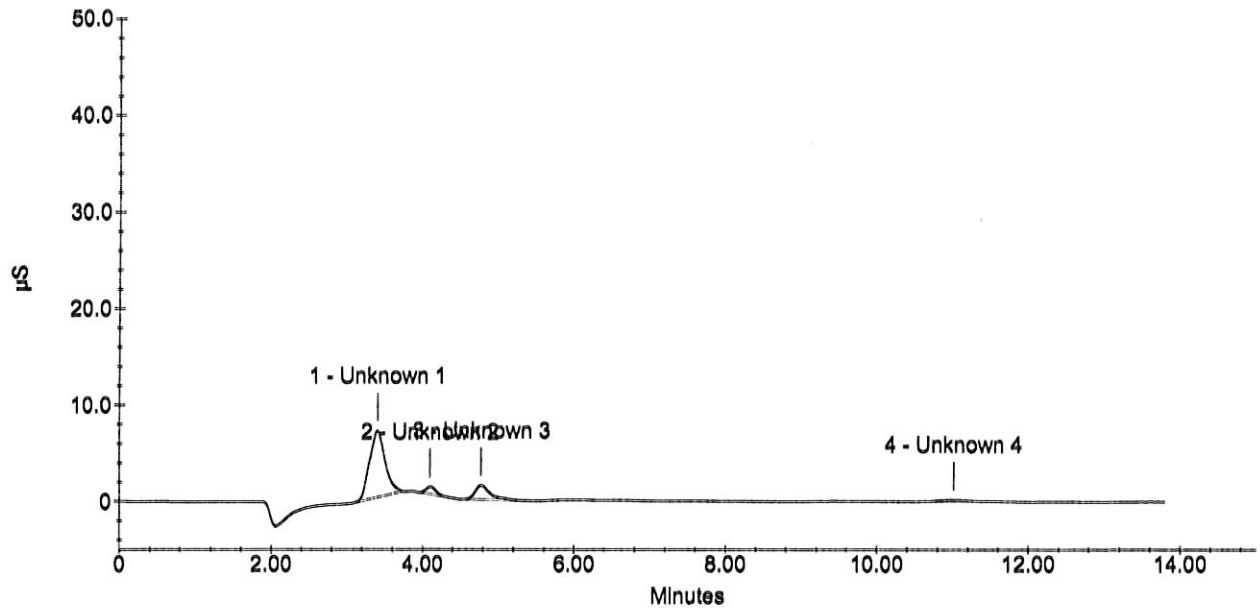
Sample Name : AY03985w01 1/5
Data File Name : i:\dionex\d1anions\data\090930a\091001a_086.DXD

Method File Name : I:\DIONEX\D1ANIONS\METHODS\EPAsufite 08-25-09Low.met
Date Time Collected : 10/1/09 1:09:13 PM
System Operator : pd
Injection Number : 86
Multiplier : 5.00

Peak Information : All Peaks

Peak Number	Peak Retention Time	Component Name	Component Amount (mg/L)	Peak Area	Peak Height	Limit Exceed
1	3.40	Unknown 1	0.000	967578	68829	
2	4.09	Unknown 2	0.000	70296	7395	
3	4.77	Unknown 3	0.000	200426	14562	
4	11.01	Unknown 4	0.000	30406	1350	

AY03985w01 1/5



APPL, Inc.

Current Date : 10/6/09
Current Time : 10:55:28 AM

Wet Lab Analysis

Air Toxics Ltd.
180 Blue Ravine Rd.
Folsom, CA 95630

APPL Inc.
908 North Temperance Avenue
Clovis, CA 93611

Attn: Ausha Scott

Project: 16512

Sample ID: 160270

Sample Collection Date: No Date Specified

APPL ID: AY03986

ARF: 59854

Method	Analyte	Result	PQL	Units	Prep Date	Analysis Date
EPA 300.0	Fluoride	Not detected	1.0	mg/L	10/01/09	10/01/09
EPA 300.0	Sulfate/Sulfite total	Not detected	5.0	mg/L	10/01/09	10/01/09

Form 1 - APPL Standard Wetlab - No MC
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Sample Analysis Report

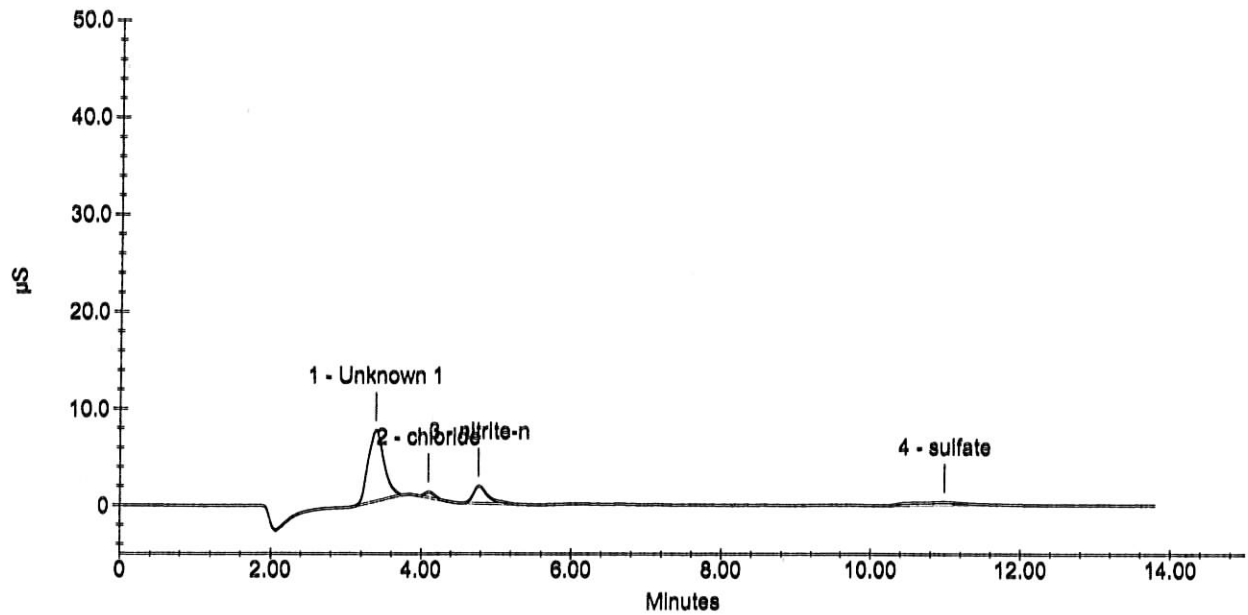
Sample Name : AY03986W01 1/5
Data File Name : i:\dionex\d1anions\data\090930a\091001a_087.DXD

Method File Name : i:\dionex\d1anions\methods\epa300 09-28-09low.met
Date Time Collected : 10/1/09 13:25:42
System Operator : pd
Injection Number : 87
Multiplier : 5.00

Peak Information : All Peaks

Peak Number	Peak Retention Time	Component Name	Component Amount (mg/L)	Peak Area	Peak Height	Limit Exceed
1	3.39	Unknown 1	0.0000	1079248	73056	
2	4.09	chloride	5.2552	53560	5688	
3	4.77	nitrite-n	1.1232	241157	17588	
4	10.99	sulfate	3.8407	123245	2463	

AY03986W01



Sample Analysis Report

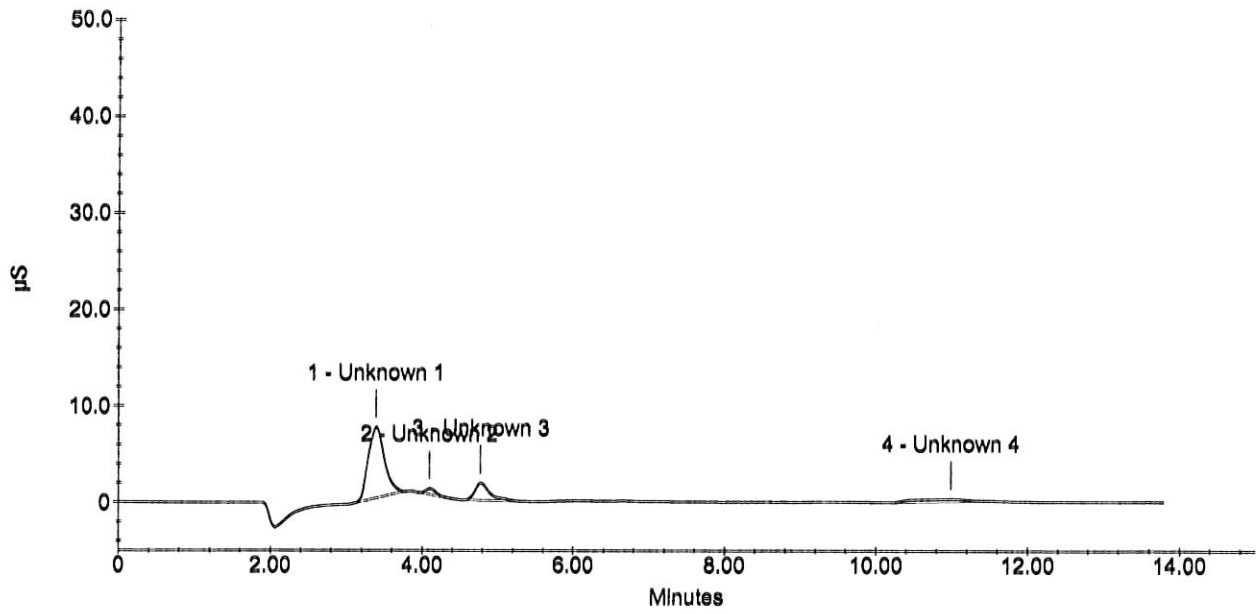
Sample Name : AY03986W01 1/5
Data File Name : i:\dionex\d1anions\data\090930a\091001a_087.DXD

Method File Name : I:\DIONEX\D1ANIONS\METHODS\EPAsufite 08-25-09Low.met
Date Time Collected : 10/1/09 1:25:42 PM
System Operator : pd
Injection Number : 87
Multiplier : 5.00

Peak Information : All Peaks

Peak Number	Peak Retention Time	Component Name	Component Amount (mg/L)	Peak Area	Peak Height	Limit Exceed
1	3.39	Unknown 1	0.000	1079248	73056	
2	4.09	Unknown 2	0.000	53560	5688	
3	4.77	Unknown 3	0.000	241157	17588	
4	10.99	Unknown 4	0.000	123245	2463	

AY03986W01 1/5



APPL, Inc.

Current Date : 10/6/09
Current Time : 10:55:34 AM

Wet Lab Analysis

Air Toxics Ltd.
180 Blue Ravine Rd.
Folsom, CA 95630

APPL Inc.
908 North Temperance Avenue
Clovis, CA 93611

Attn: Ausha Scott

Project: 16512

Sample ID: 106274

APPL ID: AY03987

Sample Collection Date: No Date Specified

ARF: 59854

Method	Analyte	Result	PQL	Units	Prep Date	Analysis Date
EPA 300.0	Fluoride	Not detected	1.0	mg/L	10/01/09	10/01/09
EPA 300.0	Sulfate/Sulfite total	Not detected	5.0	mg/L	10/01/09	10/01/09

Form 1 - APPL Standard Wetlab - No MC
Printed: 10/07/09 4:41:22 PM

Sample Analysis Report

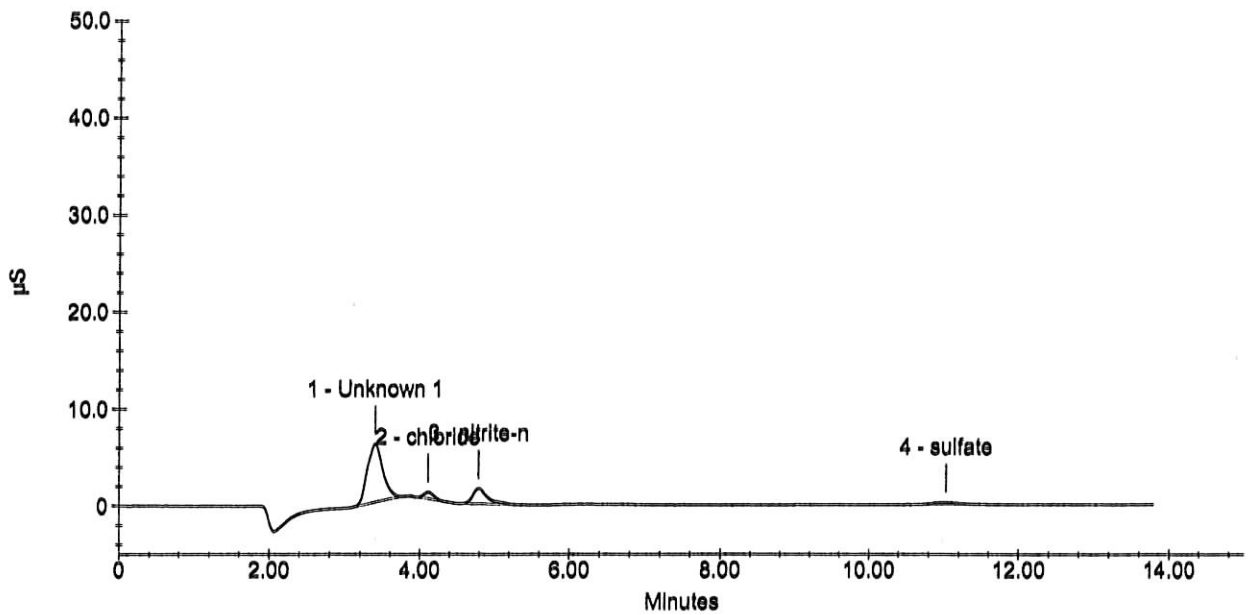
Sample Name : AY03987W01 115
Data File Name : i:\dionex\d1anions\data\090930a\091001a_088.DXD

Method File Name : i:\dionex\d1anions\methods\epa300 09-28-09low.met
Date Time Collected : 10/1/09 13:42:09
System Operator : pd
Injection Number : 88
Multiplier : 5.00

Peak Information : All Peaks

Peak Number	Peak Retention Time	Component Name	Component Amount (mg/L)	Peak Area	Peak Height	Limit Exceed
1	3.40	Unknown 1	0.0000	861545	59697	
2	4.11	chloride	5.2931	59682	6511	
3	4.79	nitrite-n	1.0257	213200	15659	
4	11.03	sulfate	3.0391	40382	1885	

AY03987W01



Sample Analysis Report

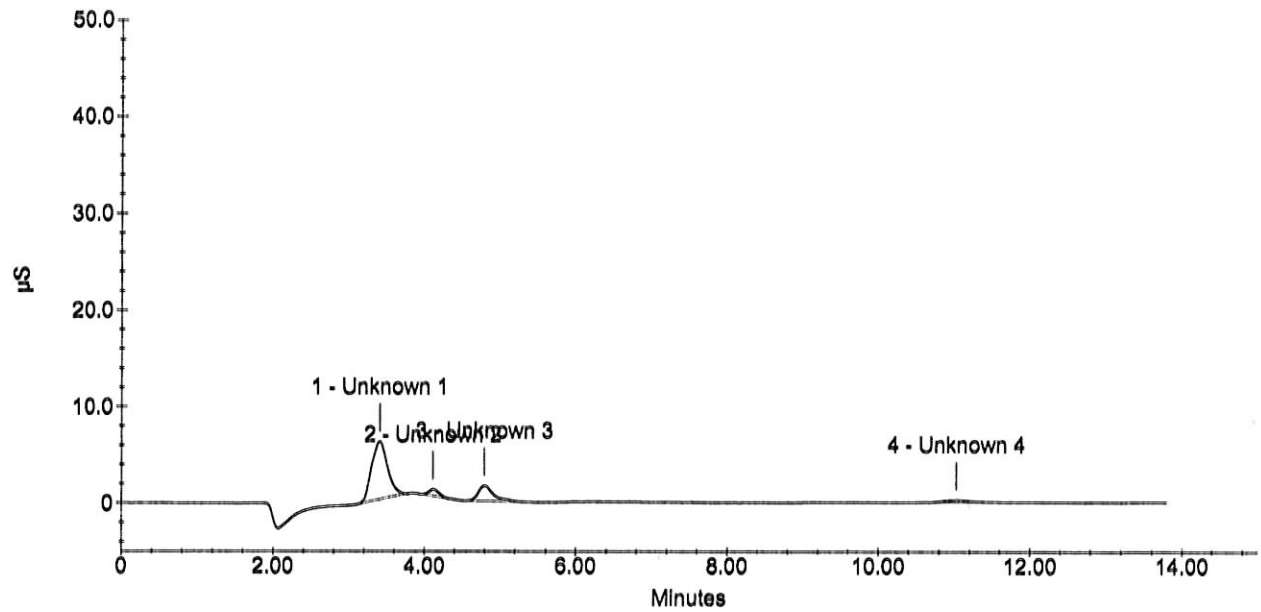
Sample Name : AY03987W01 1/5
Data File Name : i:\dionex\d1anions\data\090930a\091001a_088.DXD

Method File Name : I:\DIONEX\D1ANIONS\METHODS\EPAsufite 08-25-09Low.met
Date Time Collected : 10/1/09 1:42:09 PM
System Operator : pd
Injection Number : 88
Multiplier : 5.00

Peak Information : All Peaks

Peak Number	Peak Retention Time	Component Name	Component Amount (mg/L)	Peak Area	Peak Height	Limit Exceed
1	3.40	Unknown 1	0.000	861545	59697	
2	4.11	Unknown 2	0.000	59682	6511	
3	4.79	Unknown 3	0.000	213200	15659	
4	11.03	Unknown 4	0.000	40382	1885	

AY03987W01 1/5



Wet Lab Analysis

Air Toxics Ltd.
180 Blue Ravine Rd.
Folsom, CA 95630

APPL Inc.
908 North Temperance Avenue
Clovis, CA 93611

Attn: Ausha Scott

Project: 16512

Sample ID: 105060

APPL ID: AY03988

Sample Collection Date: No Date Specified

ARF: 59854

Method	Analyte	Result	PQL	Units	Prep Date	Analysis Date
EPA 300.0	Fluoride	Not detected	1.0	mg/L	10/01/09	10/01/09
EPA 300.0	Sulfate/Sulfite total	Not detected	5.0	mg/L	10/01/09	10/01/09

Form 1 - APPL Standard Wetlab - No MC
Printed: 10/07/09 4:41:22 PM

Sample Analysis Report

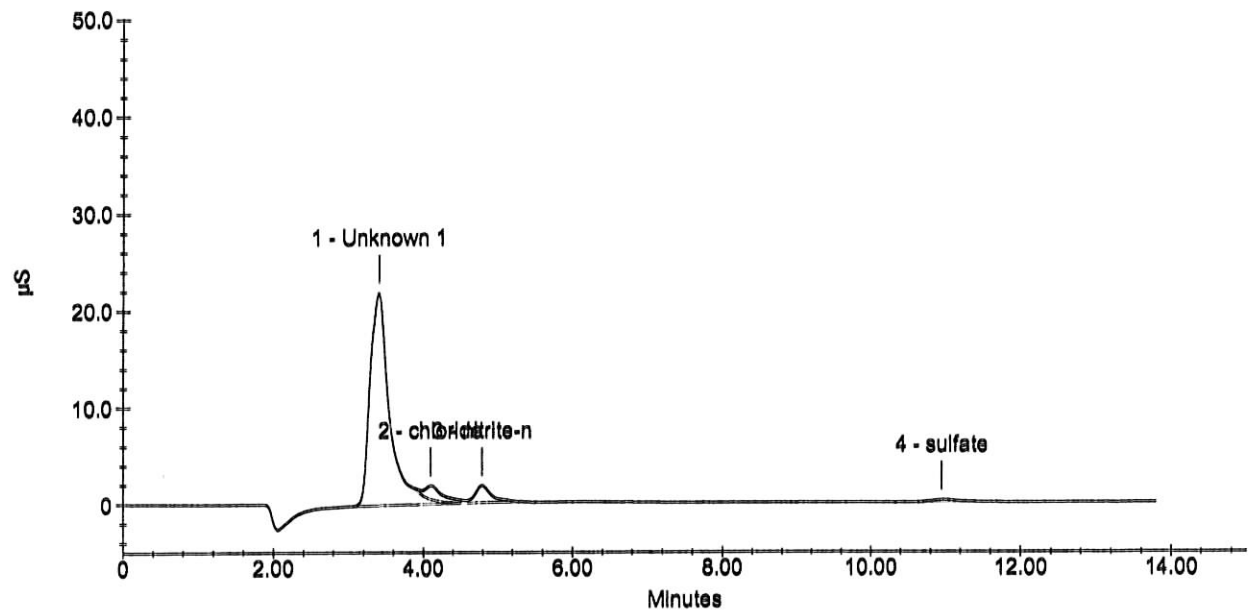
Sample Name : AY03988W01 115
Data File Name : i:\dionex\d1anions\data\090930a\091001a_089.DXD

Method File Name : i:\dionex\d1anions\methods\epa300 09-28-09low.met
Date Time Collected : 10/1/09 13:58:36
System Operator : pd
Injection Number : 89
Multiplier : 5.00

Peak Information : All Peaks

Peak Number	Peak Retention Time	Component Name	Component Amount (mg/L)	Peak Area	Peak Height	Limit Exceed
1	3.40	Unknown 1	0.0000	3987920	218974	
2	4.09	chloride	6.4192	241407	13788	
3	4.79	nitrite-n	1.2066	265068	17436	
4	10.95	sulfate	3.0959	46248	2007	

AY03988W01



Sample Analysis Report

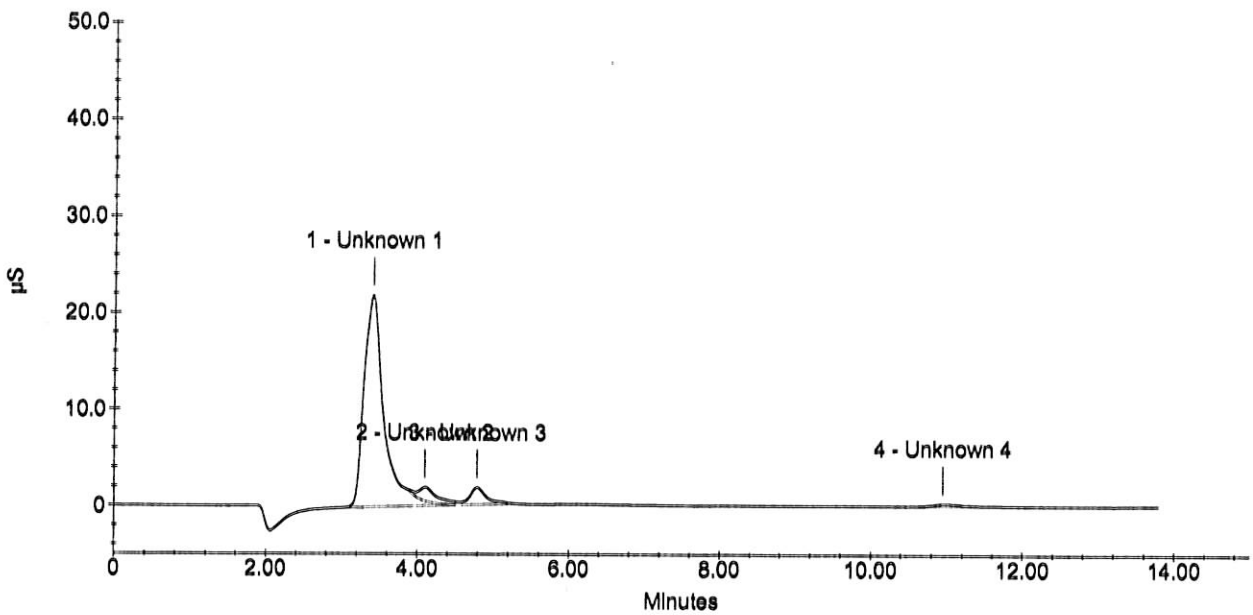
Sample Name : AY03988W01 1/5
Data File Name : i:\dionex\d1anions\data\090930a\091001a_089.DXD

Method File Name : I:\DIONEX\D1ANIONS\METHODS\EPAsufite 08-25-09Low.met
Date Time Collected : 10/1/09 1:58:36 PM
System Operator : pd
Injection Number : 89
Multiplier : 5.00

Peak Information : All Peaks

Peak Number	Peak Retention Time	Component Name	Component Amount (mg/L)	Peak Area	Peak Height	Limit Exceed
1	3.40	Unknown 1	0.000	3987920	218974	
2	4.09	Unknown 2	0.000	241407	13788	
3	4.79	Unknown 3	0.000	265068	17436	
4	10.95	Unknown 4	0.000	46248	2007	

AY03988W01 1/5



APPL, Inc.

Current Date : 10/6/09
Current Time : 10:55:47 AM

Wet Lab Analysis

Air Toxics Ltd.
180 Blue Ravine Rd.
Folsom, CA 95630

APPL Inc.
908 North Temperance Avenue
Clovis, CA 93611

Attn: Ausha Scott

Project: 16512

Sample ID: 105061

Sample Collection Date: No Date Specified

APPL ID: AY03989

ARF: 59854

Method	Analyte	Result	PQL	Units	Prep Date	Analysis Date
EPA 300.0	Fluoride	Not detected	1.0	mg/L	10/01/09	10/01/09
EPA 300.0	Sulfate/Sulfite total	Not detected	5.0	mg/L	10/01/09	10/01/09

Form 1 - APPL Standard Wetlab - No MC
Printed: 10/07/09 4:41:22 PM

Sample Analysis Report

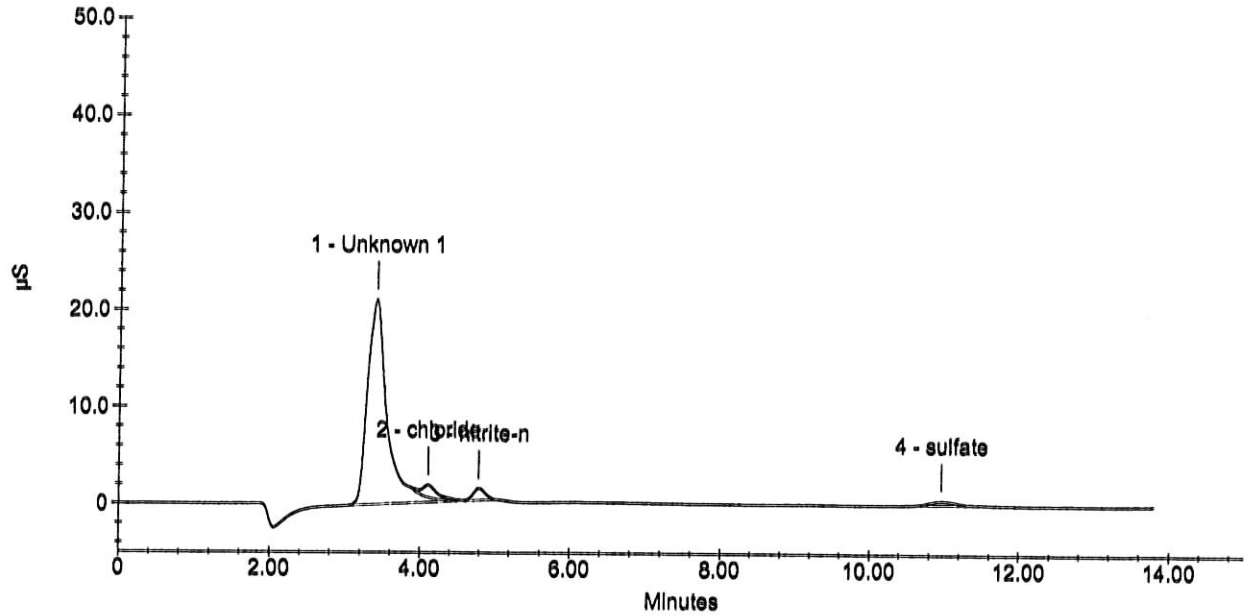
Sample Name : AY03989W01 115
Data File Name : i:\dionex\d1anions\data\090930a\091001a_090.DXD

Method File Name : i:\dionex\d1anions\methods\epa300 09-28-09low.met
Date Time Collected : 10/1/09 14:15:03
System Operator : pd
Injection Number : 90
Multiplier : 5.00

Peak Information : All Peaks

Peak Number	Peak Retention Time	Component Name	Component Amount (mg/L)	Peak Area	Peak Height	Limit Exceed
1	3.40	Unknown 1	0.0000	3874243	210949	
2	4.11	chloride	6.0690	184892	12773	
3	4.79	nitrite-n	0.7667	138937	12136	
4	10.96	sulfate	3.5465	92826	4012	

AY03989W01



APPL, Inc.

Current Date : 10/1/09
Current Time : 14:31:24

Sample Analysis Report

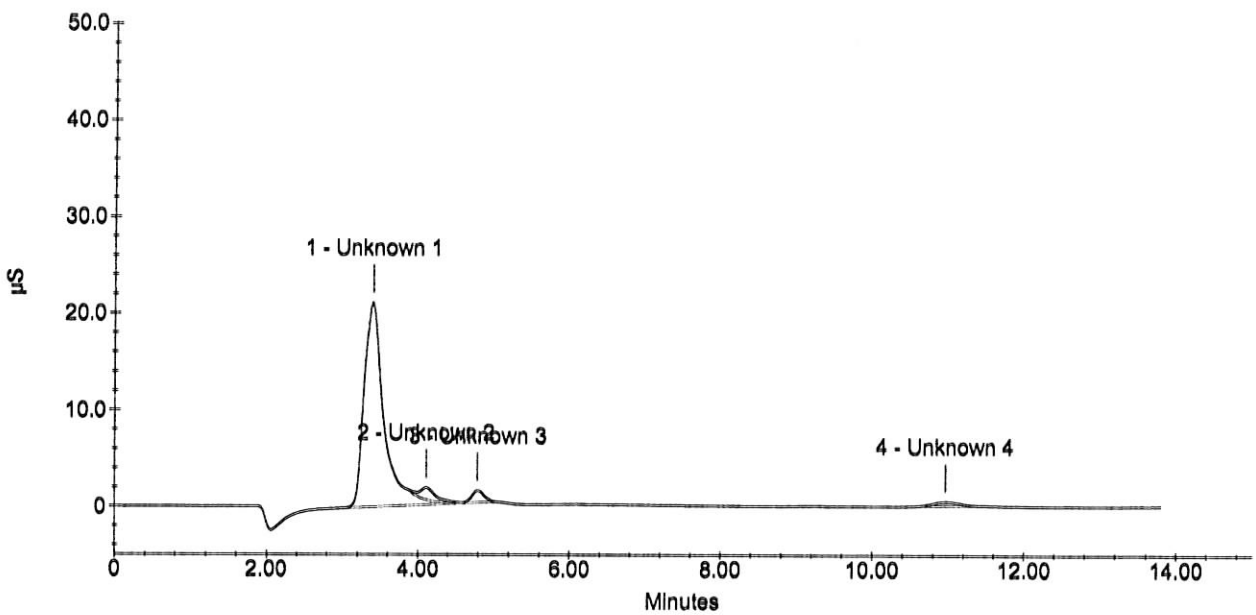
Sample Name : AY03989W01 1/5
Data File Name : i:\dionex\d1anions\data\090930a\091001a_090.DXD

Method File Name : I:\DIONEX\D1ANIONS\METHODS\EPAsufite 08-25-09Low.met
Date Time Collected : 10/1/09 2:15:03 PM
System Operator : pd
Injection Number : 90
Multiplier : 5.00

Peak Information : All Peaks

Peak Number	Peak Retention Time	Component Name	Component Amount (mg/L)	Peak Area	Peak Height	Limit Exceed
1	3.40	Unknown 1	0.000	3874243	210949	
2	4.11	Unknown 2	0.000	184892	12773	
3	4.79	Unknown 3	0.000	138937	12136	
4	10.96	Unknown 4	0.000	92826	4012	

AY03989W01 1/5



APPL, Inc.

Current Date : 10/6/09
Current Time : 10:55:53 AM

Wet Lab Analysis

Air Toxics Ltd.
180 Blue Ravine Rd.
Folsom, CA 95630

APPL Inc.
908 North Temperance Avenue
Clovis, CA 93611

Attn: Ausha Scott

Project: 16512

Sample ID: 105062
Sample Collection Date: No Date Specified

APPL ID: AY03990
ARF: 59854

Method	Analyte	Result	PQL	Units	Prep Date	Analysis Date
EPA 300.0	Fluoride	Not detected	1.0	mg/L	10/01/09	10/01/09
EPA 300.0	Sulfate/Sulfite total	Not detected	5.0	mg/L	10/01/09	10/01/09

Form 1 - APPL Standard Wetlab - No MC
Printed: 10/07/09 4:41:22 PM

Sample Analysis Report

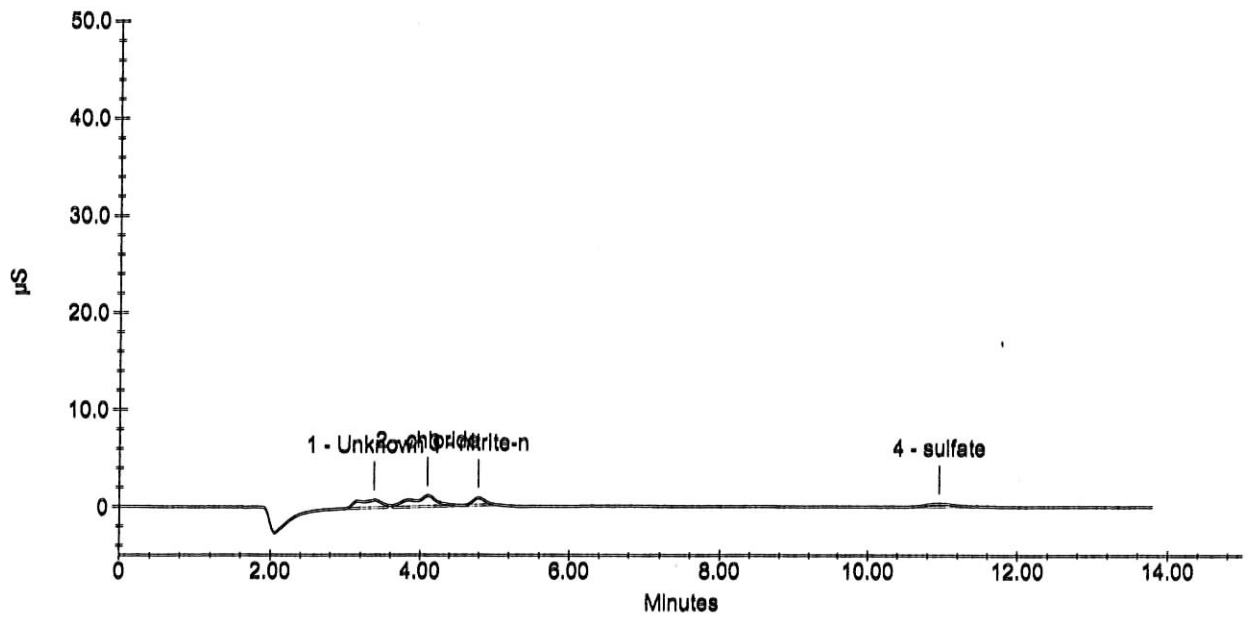
Sample Name : AY03990W01 \ / 5
Data File Name : i:\dionex\d1anions\data\090930a\091001a_091.DXD

Method File Name : I:\DIONEX\D1ANIONS\METHODS\EPA300 09-28-09Low.met
Date Time Collected : 10/1/09 14:31:30
System Operator : pd
Injection Number : 91
Multiplier : 5.00

Peak Information : All Peaks

Peak Number	Peak Retention Time	Component Name	Component Amount (mg/L)	Peak Area	Peak Height	Limit Exceed
1	3.37	Unknown 1	0.0000	180602	7885	
2	4.09	chloride	6.6226	274242	11109	
3	4.79	nitrite-n	0.5821	85993	7434	
4	10.95	sulfate	3.2787	65146	2754	

AY03990W01



Sample Analysis Report

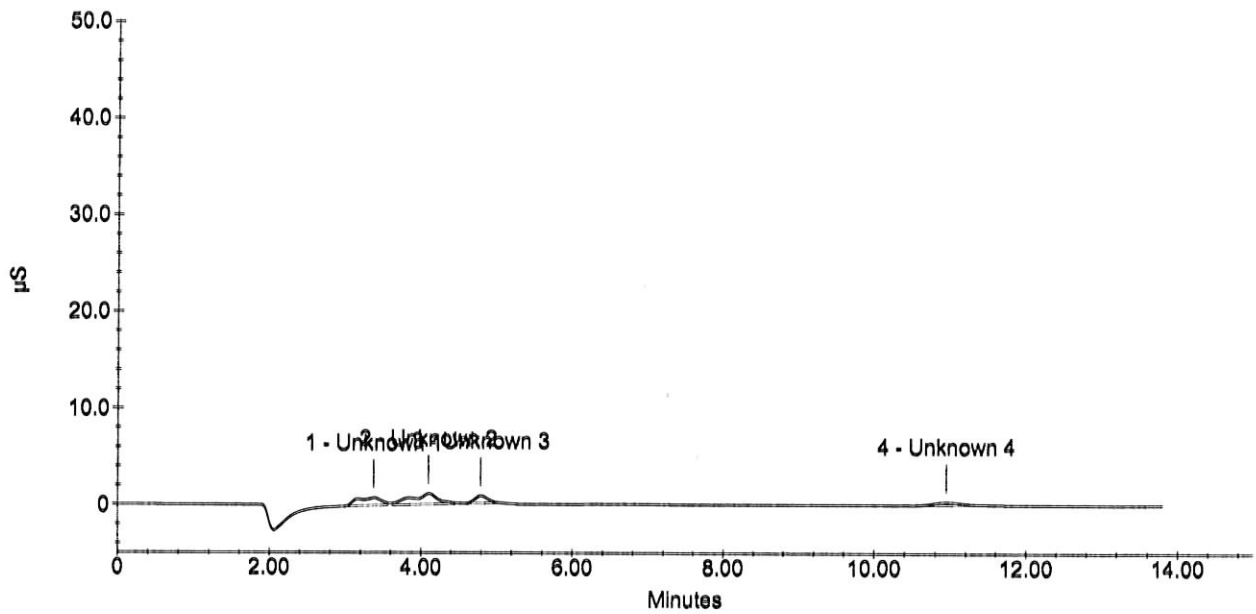
Sample Name : AY03990W01 1/5
Data File Name : i:\dionex\d1anions\data\090930a\091001a_091.DXD

Method File Name : I:\DIONEX\D1ANIONS\METHODS\EPAsufite 08-25-09Low.met
Date Time Collected : 10/1/09 2:31:30 PM
System Operator : pd
Injection Number : 91
Multiplier : 5.00

Peak Information : All Peaks

Peak Number	Peak Retention Time	Component Name	Component Amount (mg/L)	Peak Area	Peak Height	Limit Exceed
1	3.37	Unknown 1	0.000	180602	7885	
2	4.09	Unknown 2	0.000	274242	11109	
3	4.79	Unknown 3	0.000	85993	7434	
4	10.95	Unknown 4	0.000	65146	2754	

AY03990W01 1/5



APPL, Inc.

Current Date : 10/6/09
Current Time : 10:55:59 AM

Wet Lab Analysis

Air Toxics Ltd.
180 Blue Ravine Rd.
Folsom, CA 95630

APPL Inc.
908 North Temperance Avenue
Clovis, CA 93611

Attn: Ausha Scott

Project: 16512

Sample ID: 105063

APPL ID: AY03991

Sample Collection Date: No Date Specified

ARF: 59854

Method	Analyte	Result	PQL	Units	Prep Date	Analysis Date
EPA 300.0	Fluoride	Not detected	1.0	mg/L	10/01/09	10/01/09
EPA 300.0	Sulfate/Sulfite total	Not detected	5.0	mg/L	10/01/09	10/01/09

Form 1 - APPL Standard Wetlab - No MC
Printed: 10/07/09 4:41:22 PM

Sample Analysis Report

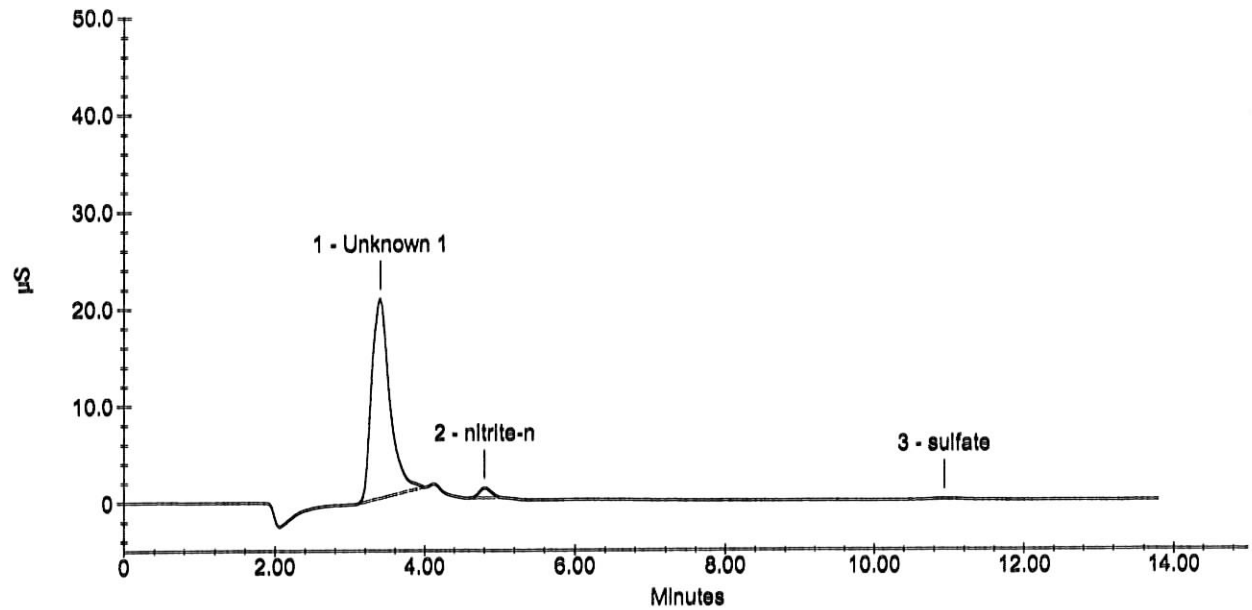
Sample Name : AY03991W01 1/5
Data File Name : i:\dionex\d1anions\data\090930a\091001a_092.DXD

Method File Name : i:\dionex\d1anions\methods\epa300 09-28-09low.met
Date Time Collected : 10/1/09 14:47:58
System Operator : pd
Injection Number : 92
Multiplier : 5.00

Peak Information : All Peaks

Peak Number	Peak Retention Time	Component Name	Component Amount (mg/L)	Peak Area	Peak Height	Limit Exceed
1	3.40	Unknown 1	0.0000	3478418	204729	
2	4.80	nitrite-n	0.6599	108321	9817	
3	10.93	sulfate	2.7927	14907	823	

AY03991W01



APPL, Inc.

Current Date : 10/1/09
Current Time : 15:04:19

Sample Analysis Report

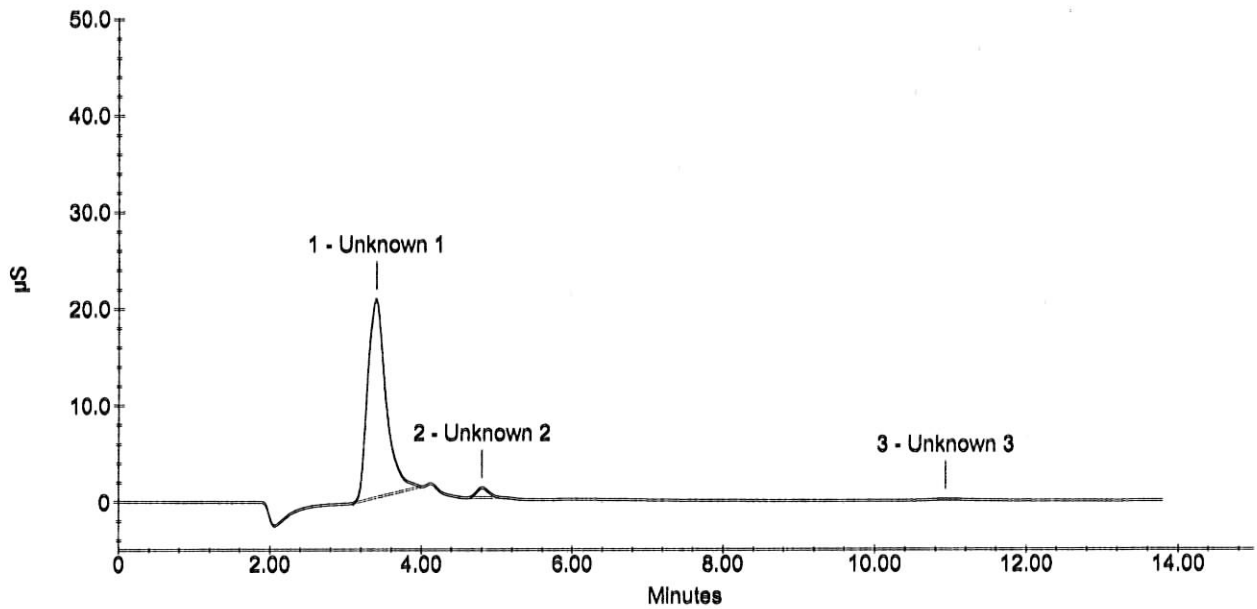
Sample Name : AY03991W01 1/5
Data File Name : i:\dionex\d1anions\data\090930a\091001a_092.DXD

Method File Name : I:\DIONEX\D1ANIONS\METHODS\EPAsufite 08-25-09Low.met
Date Time Collected : 10/1/09 2:47:58 PM
System Operator : pd
Injection Number : 92
Multiplier : 5.00

Peak Information : All Peaks

Peak Number	Peak Retention Time	Component Name	Component Amount (mg/L)	Peak Area	Peak Height	Limit Exceed
1	3.40	Unknown 1	0.000	3478418	204729	
2	4.80	Unknown 2	0.000	108321	9817	
3	10.93	Unknown 3	0.000	14907	823	

AY03991W01 1/5



Wet Lab Analysis

Air Toxics Ltd.
180 Blue Ravine Rd.
Folsom, CA 95630

APPL Inc.
908 North Temperance Avenue
Clovis, CA 93611

Attn: Ausha Scott

Project: 16512

Sample ID: 105064

APPL ID: AY03992

Sample Collection Date: No Date Specified

ARF: 59854

Method	Analyte	Result	PQL	Units	Prep Date	Analysis Date
EPA 300.0	Fluoride	Not detected	1.0	mg/L	10/01/09	10/01/09
EPA 300.0	Sulfate/Sulfite total	Not detected	5.0	mg/L	10/01/09	10/01/09

Form 1 - APPL Standard Wetlab - No MC
Printed: 10/07/09 4:41:22 PM

Sample Analysis Report

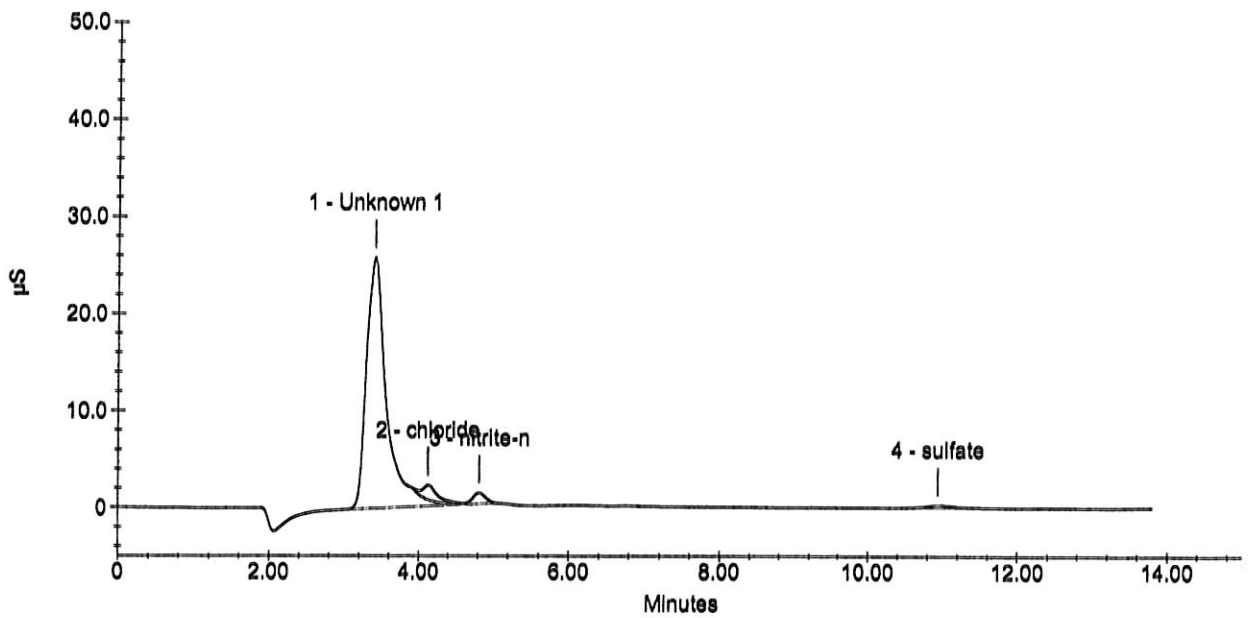
Sample Name : AY03992W01 \15
Data File Name : i:\dionex\d1anions\data\090930a\091001a_093.DXD

Method File Name : i:\dionex\d1anions\methods\epa300 09-28-09low.met
Date Time Collected : 10/1/09 15:04:25
System Operator : pd
Injection Number : 93
Multiplier : 5.00

Peak Information : All Peaks

Peak Number	Peak Retention Time	Component Name	Component Amount (mg/L)	Peak Area	Peak Height	Limit Exceed
1	3.40	Unknown 1	0.0000	4843492	257698	
2	4.12	chloride	6.2817	219221	14747	
3	4.81	nitrite-n	0.7340	129542	11153	
4	10.93	sulfate	3.0587	42406	1917	

AY03992W01



Sample Analysis Report

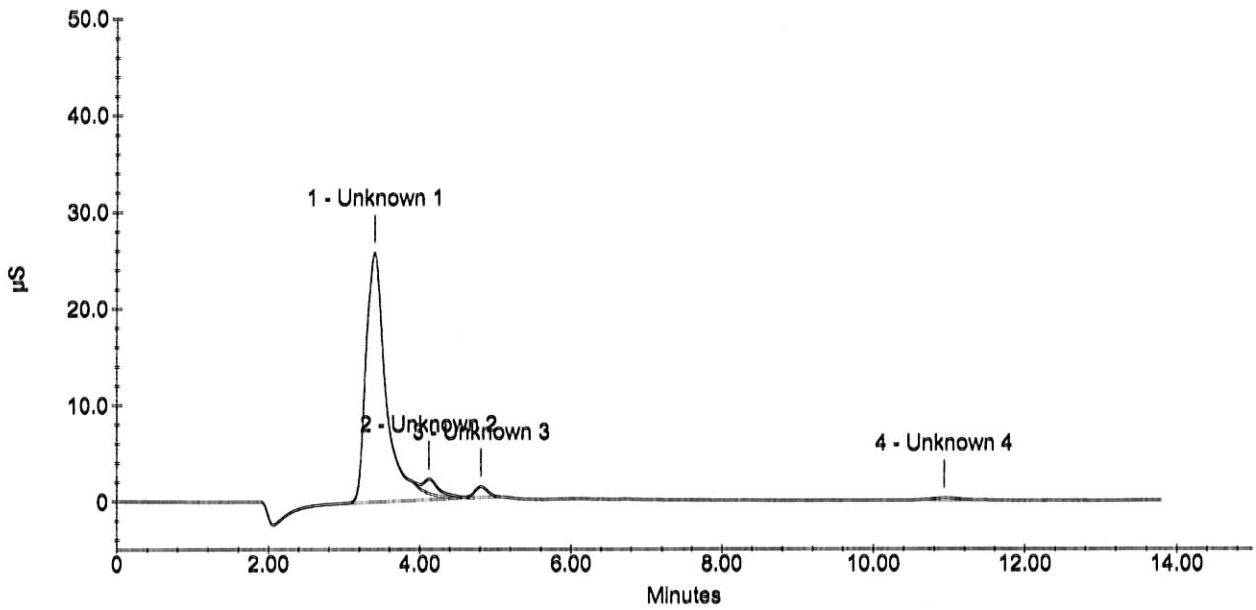
Sample Name : AY03992W01 1/5
Data File Name : i:\dionex\d1anions\data\090930a\091001a_093.DXD

Method File Name : I:\DIONEX\D1ANIONS\METHODS\EPAsufite 08-25-09Low.met
Date Time Collected : 10/1/09 3:04:25 PM
System Operator : pd
Injection Number : 93
Multiplier : 5.00

Peak Information : All Peaks

Peak Number	Peak Retention Time	Component Name	Component Amount (mg/L)	Peak Area	Peak Height	Limit Exceed
1	3.40	Unknown 1	0.000	4843492	257698	
2	4.12	Unknown 2	0.000	219221	14747	
3	4.81	Unknown 3	0.000	129542	11153	
4	10.93	Unknown 4	0.000	42406	1917	

AY03992W01 1/5



Wet Lab Analysis

Air Toxics Ltd.
180 Blue Ravine Rd.
Folsom, CA 95630

APPL Inc.
908 North Temperance Avenue
Clovis, CA 93611

Attn: Ausha Scott

Project: 16512

Sample ID: 105065
Sample Collection Date: No Date Specified

APPL ID: AY03993
ARF: 59854

Method	Analyte	Result	PQL	Units	Prep Date	Analysis Date
EPA 300.0	Fluoride	Not detected	1.0	mg/L	10/01/09	10/01/09
EPA 300.0	Sulfate/Sulfite total	Not detected	5.0	mg/L	10/01/09	10/01/09

Form 1 - APPL Standard Wetlab - No MC
Printed: 10/07/09 4:41:22 PM

Sample Analysis Report

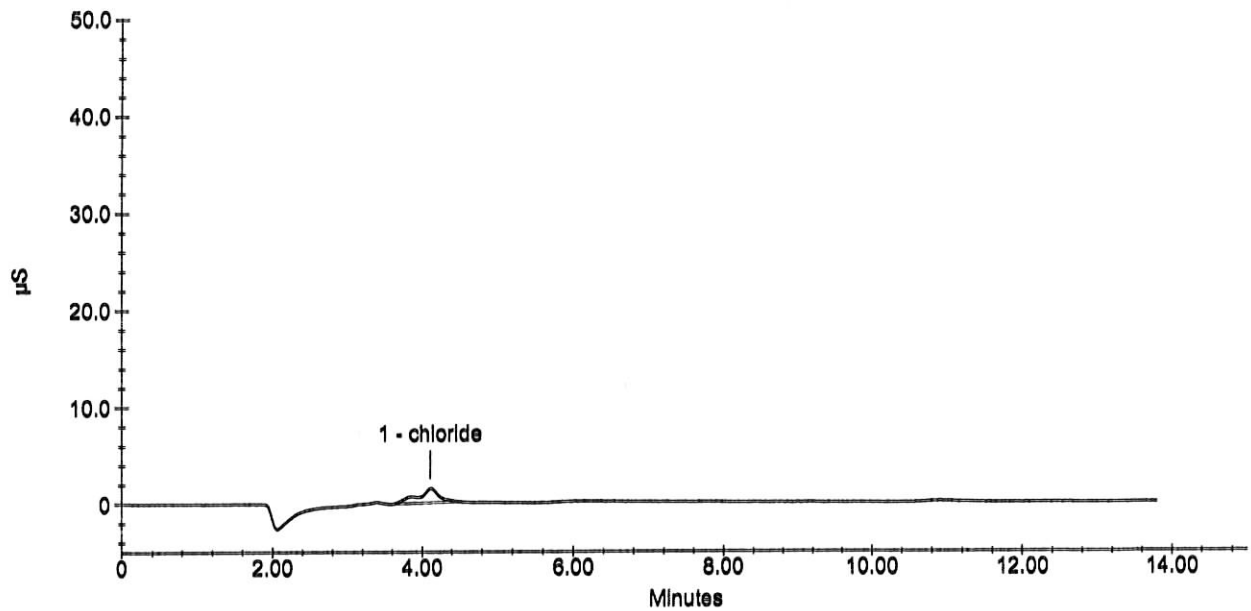
Sample Name : AY03993W01 1/5
Data File Name : i:\dionex\d1anions\data\090930a\091001a_094.DXD

Method File Name : i:\dionex\d1anions\methods\epa300 09-28-09low.met
Date Time Collected : 10/1/09 15:20:51
System Operator : pd
Injection Number : 94
Multiplier : 5.00

Peak Information : All Peaks

Peak Number	Peak Retention Time	Component Name	Component Amount (mg/L)	Peak Area	Peak Height	Limit Exceed
1	4.11	chloride	6.7115	288588	14398	

AY03993W01



Sample Analysis Report

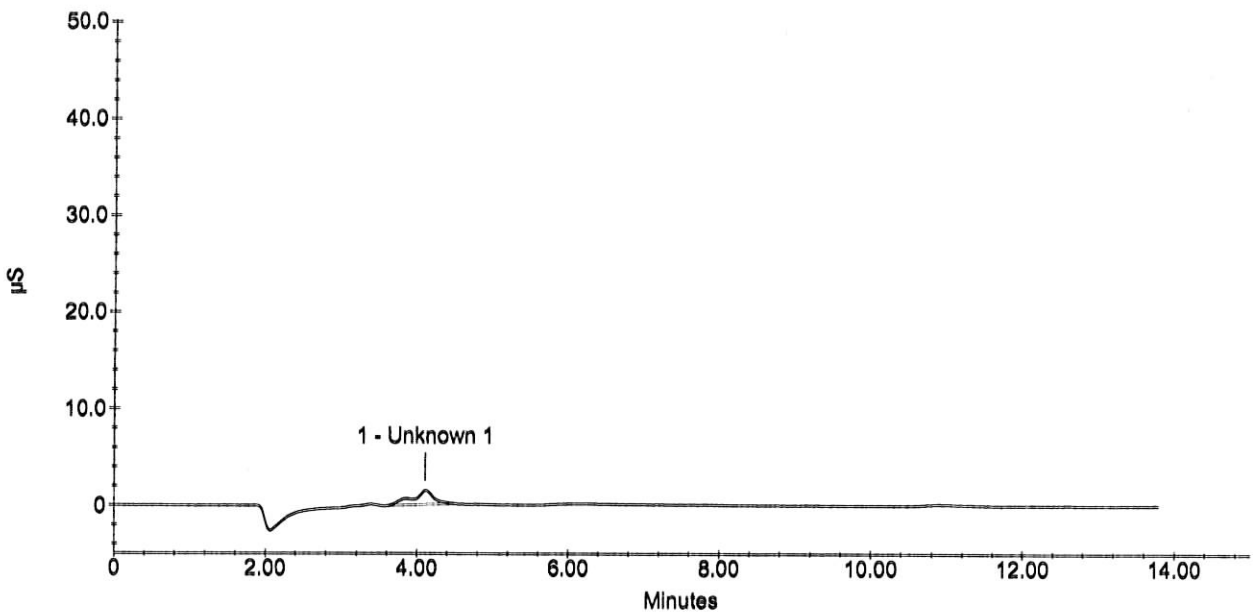
Sample Name : AY03993W01 1/5
Data File Name : i:\dionex\d1anions\data\090930a\091001a_094.DXD

Method File Name : I:\DIONEX\D1ANIONS\METHODS\EPAsufite 08-25-09Low.met
Date Time Collected : 10/1/09 3:20:51 PM
System Operator : pd
Injection Number : 94
Multiplier : 5.00

Peak Information : All Peaks

Peak Number	Peak Retention Time	Component Name	Component Amount (mg/L)	Peak Area	Peak Height	Limit Exceed
1	4.11	Unknown 1	0.000	288588	14398	

AY03993W01 1/5



APPL, Inc.

Current Date : 10/6/09
Current Time : 10:56:14 AM

Wet Lab Analysis

Air Toxics Ltd.
180 Blue Ravine Rd.
Folsom, CA 95630

APPL Inc.
908 North Temperance Avenue
Clovis, CA 93611

Attn: Ausha Scott

Project: 16512

Sample ID: METHOD BLANK 1
Sample Collection Date: No Date Specified

APPL ID: AY03994
ARF: 59854

Method	Analyte	Result	PQL	Units	Prep Date	Analysis Date
EPA 300.0	Fluoride	Not detected	1.0	mg/L	10/01/09	10/01/09
EPA 300.0	Sulfate/Sulfite total	Not detected	5.0	mg/L	10/01/09	10/01/09

Form 1 - APPL Standard Wetlab - No MC
Printed: 10/07/09 4:41:22 PM

Sample Analysis Report

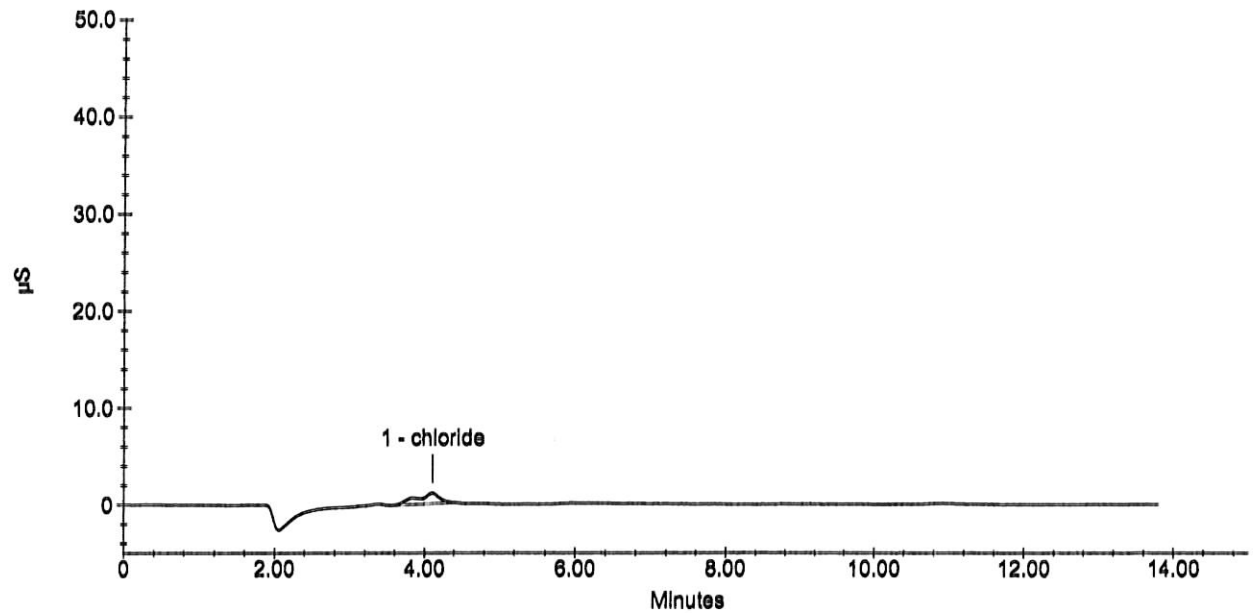
Sample Name : AY03994W01 1/5
Data File Name : i:\dionex\d1anions\data\090930a\091001a_095.DXD

Method File Name : i:\dionex\d1anions\methods\epa300 09-28-09low.met
Date Time Collected : 10/1/09 15:37:15
System Operator : pd
Injection Number : 95
Multiplier : 5.00

Peak Information : All Peaks

Peak Number	Peak Retention Time	Component Name	Component Amount (mg/L)	Peak Area	Peak Height	Limit Exceed
1	4.11	chloride	6.3835	235654	10826	

AY03994W01



Sample Analysis Report

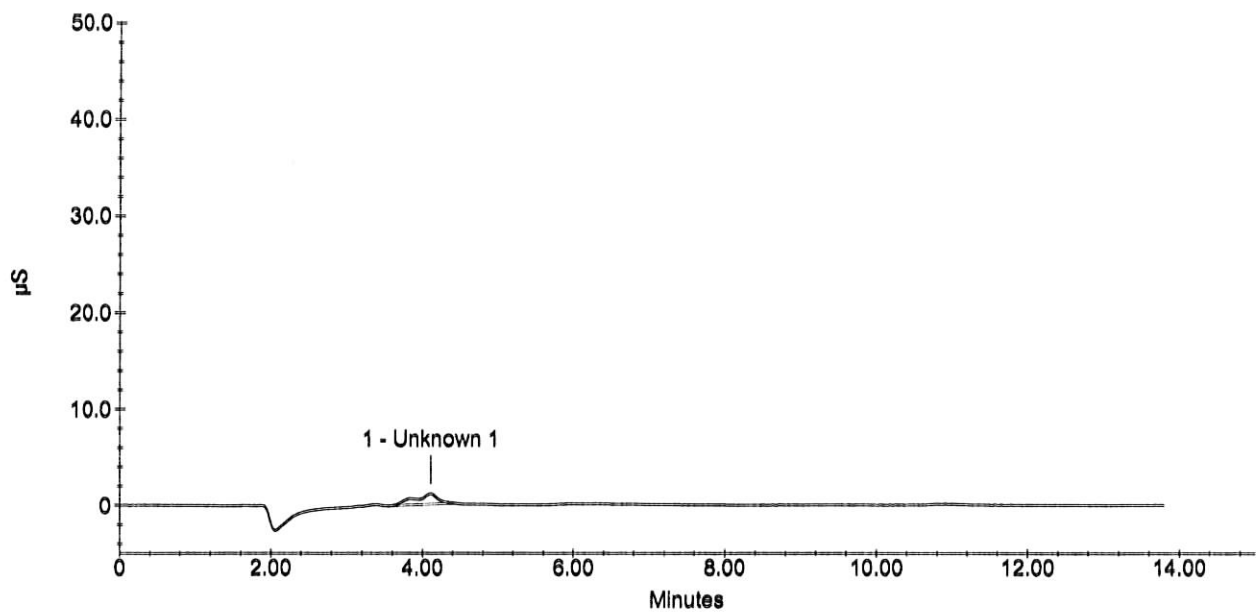
Sample Name : AY03994W01 1/5
Data File Name : i:\dionex\d1anions\data\090930a\091001a_095.DXD

Method File Name : I:\DIONEX\D1ANIONS\METHODS\EPAsufite 08-25-09Low.met
Date Time Collected : 10/1/09 3:37:15 PM
System Operator : pd
Injection Number : 95
Multiplier : 5.00

Peak Information : All Peaks

Peak Number	Peak Retention Time	Component Name	Component Amount (mg/L)	Peak Area	Peak Height	Limit Exceed
1	4.11	Unknown 1	0.000	235654	10826	

AY03994W01 1/5



Wet Lab Analysis

Air Toxics Ltd.
180 Blue Ravine Rd.
Folsom, CA 95630

APPL Inc.
908 North Temperance Avenue
Clovis, CA 93611

Attn: Ausha Scott

Project: 16512

Sample ID: METHOD BLANK 2

APPL ID: AY03995

Sample Collection Date: No Date Specified

ARF: 59854

Method	Analyte	Result	PQL	Units	Prep Date	Analysis Date
EPA 300.0	Fluoride	Not detected	1.0	mg/L	10/01/09	10/01/09
EPA 300.0	Sulfate/Sulfite total	Not detected	5.0	mg/L	10/01/09	10/01/09

Sample Analysis Report

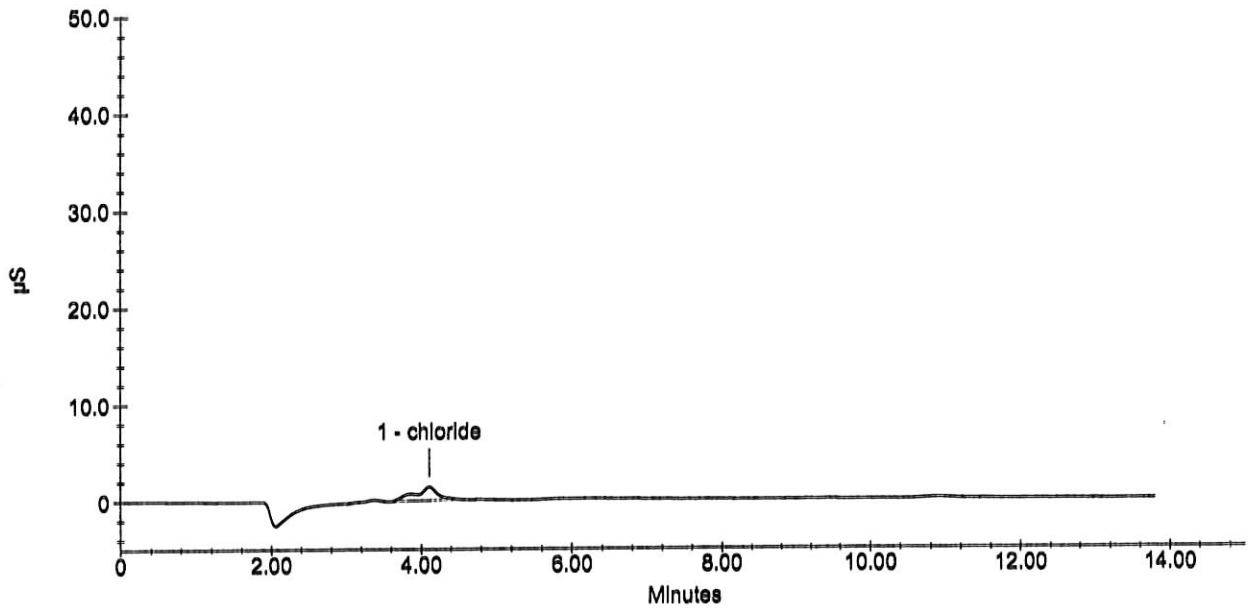
Sample Name : AY03995W01 V5
Data File Name : i:\dionex\d1anions\data\090930a\091001a_099.DXD

Method File Name : I:\DIONEX\D1ANIONS\METHODS\EPA300 09-28-09Low.met
Date Time Collected : 10/1/09 16:42:22
System Operator : pd
Injection Number : 99
Multiplier : 5.00

Peak Information : All Peaks

Peak Number	Peak Retention Time	Component Name	Component Amount (mg/L)	Peak Area	Peak Height	Limit Exceed
1	4.11	chloride	6.7384	292933	13914	

AY03995W01



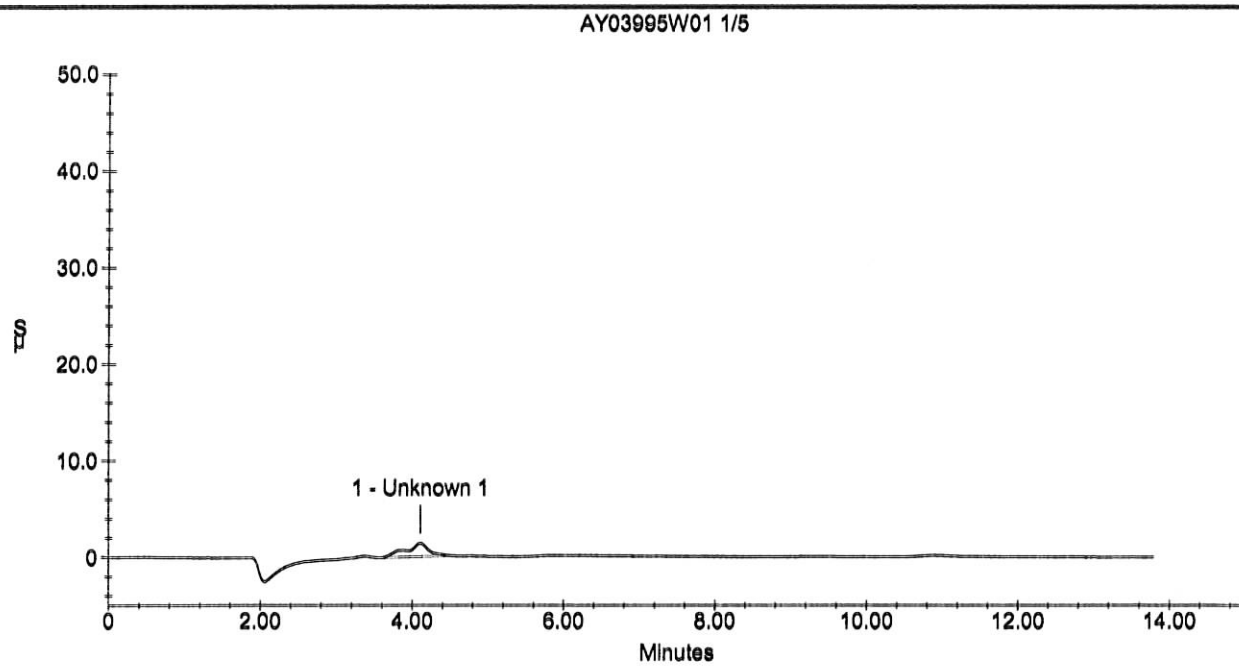
Sample Analysis Report

Sample Name : AY03995W01 1/5
Data File Name : i:\dionex\d1anions\data\090930a\091001a_099.DXD

Method File Name : I:\DIONEX\D1ANIONS\METHODS\EPAsufite 08-25-09Low.met
Date Time Collected : 10/1/09 16:42:22
System Operator : pd
Injection Number : 99
Multiplier : 5.00

Peak Information : All Peaks

Peak Number	Peak Retention Time	Component Name	Component Amount (mg/L)	Peak Area	Peak Height	Limit Exceed
1	4.11	Unknown 1	0.0000	292933	13914	



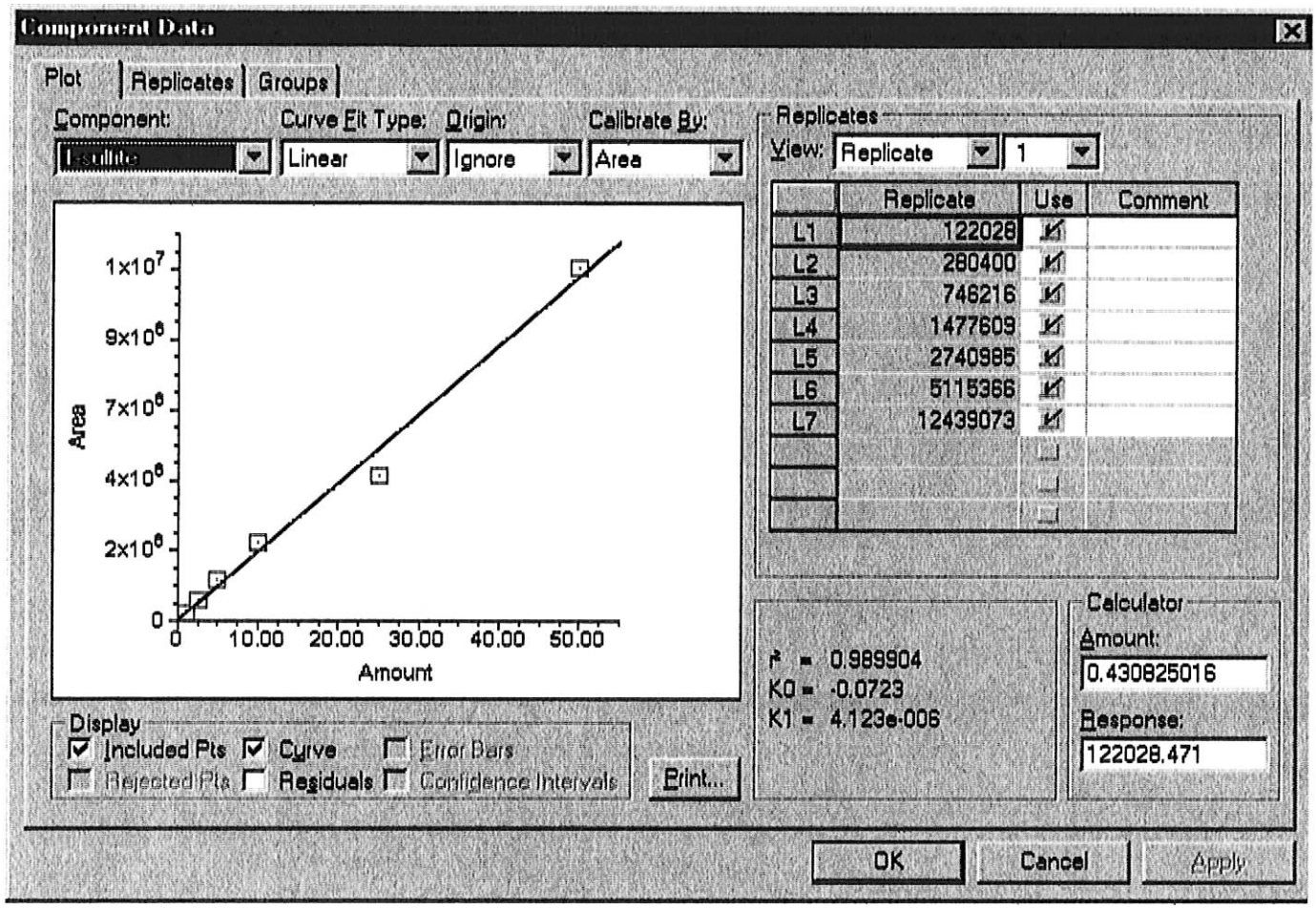
INORGANIC ANALYSIS
Calibration Data

APPL, INC.

INORGANIC ANALYSES
AUTO CALIBRATION

Analytical Method: 300/9056
Lab Name: APPL, Inc.
Instrument ID: Dionex
Autocal ID: 090825A
Concentration Units (mg/L or mg/kg): mg/L

	1	2	3	4	5	6	7
Analyte	Autocal 12:26	Autocal 12:41	Autocal 12:57	Autocal 13:12	Autocal 13:28	Autocal 13:43	Autocal 13:59
Sulfite	122028	280400	746216	1477609	2740985	5115366	12439073


Component Data
Plot
Replicates
Groups
Component:
Curve Fit Type:
Origin:
Calibrate By:
Linear
Ignore
Area
Area
Amount
1x10^7
9x10^6
7x10^6
4x10^6
2x10^6
0
10.00
20.00
30.00
40.00
50.00
Replicates
View:
Replicate
1
Replicate
Use
Comment
L1 122028
L2 280400
L3 746216
L4 1477609
L5 2740985
L6 5115366
L7 12439073
r² = 0.989904
K0 = -0.0723
K1 = 4.123e-006
Calculator
Amount:
0.430825016
Response:
122028.471
Display
Included Pts
Curve
Error Bars
Rejected Pts
Residuals
Confidence Intervals
Print...
OK
Cancel
Apply

A.P.P.L. INC.
2A
INITIAL AND CONTINUING CALIBRATION VERIFICATION

Lab Name: A.P.P.L. INC. Contract: Air Toxics LTD

ARF No.: 59854 SDG: 59854

Initial Calibration Source: Mallinckodt

Continuing Calibration Source: J.T baker

Analysis Date: 08/25/2009 Concentration Units: mg/L

Analyte	Initial Calibration True ICV	Found 15:28	%R(1)	Continuing Calibration True CCV	Found 16:24	%R(1)			M
Sulfite	25.0	22.9153	91.7	25.00	23.737	94.9			P

(1) Control Limits: Wetlab 90-110

FORM II (PART 1) - IN ILM02.0

A.P.P.L. INC.
2A
INITIAL AND CONTINUING CALIBRATION VERIFICATION

Lab Name: A.P.P.L. INC. Contract: Air Toxics

ARF No.: 59854 SDG: 59854

Initial Calibration Source: Mallinkrodt

Continuing Calibration Source: J.T. Baker

Analysis Date: 8/25/2009 Concentration Units: mg/L

Analyte	Initial Calibration True	Found 15:28	%R(1)	Continuing Calibration True	Found 16:24	%R(1)	Found	%R(1)	M
Sulfite	25.0	22.9153	91.7	25.00	23.7365	94.9			P

(1) Control Limits: Wetlab 90-110

FORM II (PART 1) - IN ILM02.0

A.P.P.L. INC.
3
BLANKS

Lab Name: A.P.P.L. INC. Contract: Air Toxics LTD

ARF No.: 59584 SDG: 59584

Preparation Blank Matrix (water): water

Preparation Blank Concentration Units : mg/L

Analysis Date: 08/25/09 Concentration Units: mg/L

Analyte	Initial Calib. Blank		Continuing Calibration Blank (mg/L)						
	ICB		CCB						
	(mg/L) 08/25/09 15:12	C	(mg/L) 08/25/09 16:09	C					
Sulfite	5.0	U	5.0	U					

A.P.P.L. INC.
3
BLANKS

Lab Name: A.P.P.L. INC. Contract:

ARF No.: 59854 SDG: 59854

Preparation Blank Matrix (soil/water): water

Preparation Blank Concentration Units (mg/L or mg/kg): mg/L

Analysis Date: 8/25/09

Analyte	Initial Calib. Blank (ug/L) 15:12	C	Continuing Calibration Blank (ug/L) 1 16:09	C	2	C	3	C	Prepa-ration Blank	C	M	
Sulfite	5.0	U	5.0	U								P

INORGANIC ANALYSES
AUTO CALIBRATION

Analytical Method: 300/9056

Lab Name: APPL, Inc.

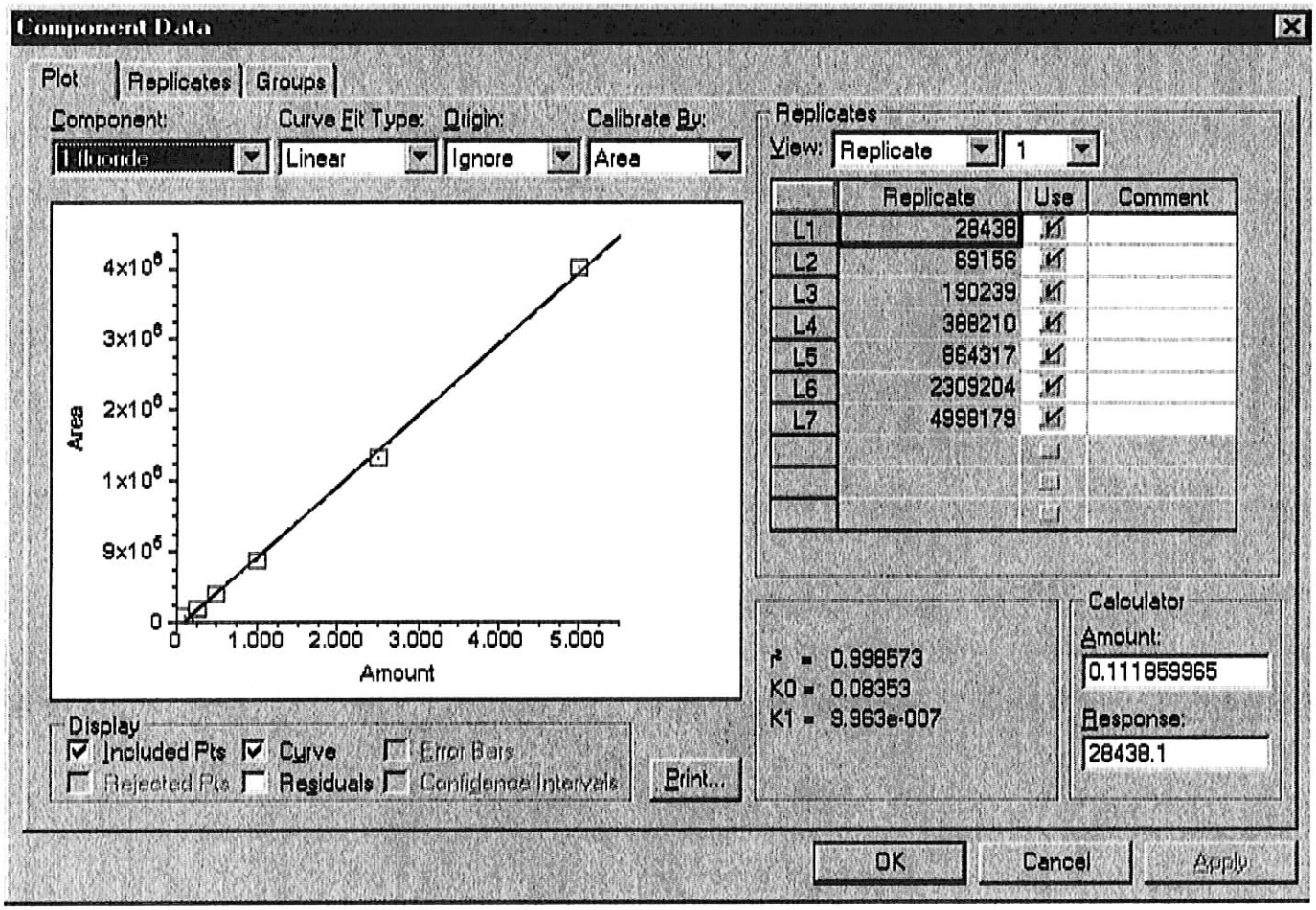
Instrument ID: Dionex

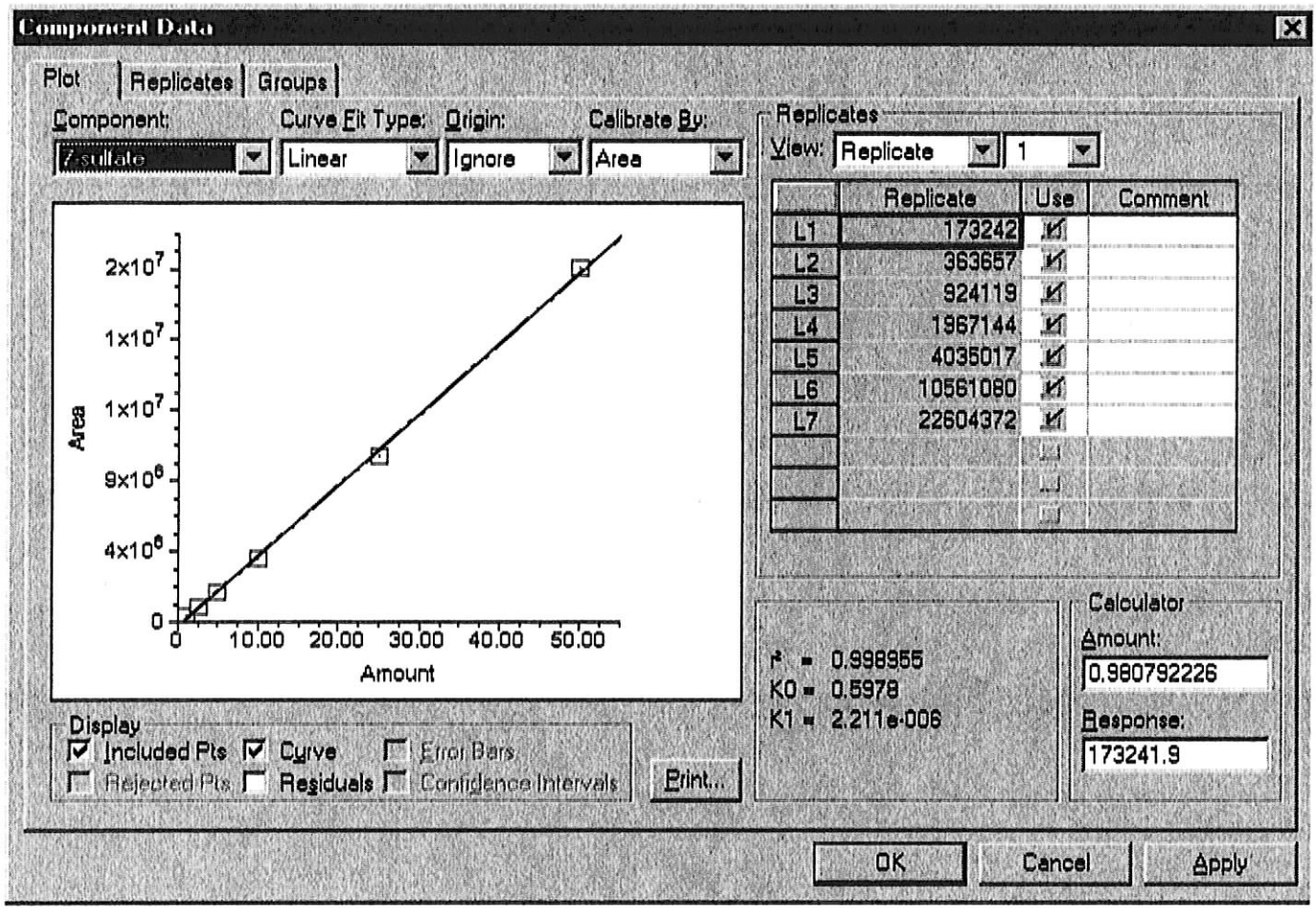
Autocal ID: 090908a

Concentration Units (mg/L or mg/kg): mg/L

Analyte	1	2	3	4	5	6	7
	Autocal 17:54	Autocal 18:11	Autocal 18:28	Autocal 18:44	Autocal 19:01	Autocal 19:18	Autocal 19:51
Bromide	45011	102949	273884	565311	1161146	3003978	6433775
Chloride	246547	501256	1295268	2697634	5731164	16243200	36391457
Fluoride	28438	69156	190239	388210	864316	2309203	4998178
Nitrate-N	105973	243976	622876	1299802	2638754	6978891	15166496
Nitrite-N	42517	102683	260271	546394	1112944	2948541	6316140
Phosphate-P	33052	121531	342763	684255	1254911	2855227	5509120
Sulfate	173241	363656	924118	1967143	4035016	10561080	22604372

Comments:


Component Data
Plot
Replicates
Groups
Component:
Fluoride
Curve Fit Type:
Linear
Origin:
Ignore
Calibrate By:
Area
4x10^6
3x10^6
2x10^6
1x10^6
9x10^5
0
Area
0
1.000
2.000
3.000
4.000
5.000
Amount
Replicates
View:
Replicate
1
Replicate
Use
Comment
L1 28438
L2 69156
L3 190239
L4 388210
L5 864317
L6 2309204
L7 4998179
r² = 0.998573
K0 = 0.08353
K1 = 9.963e-007
Calculator
Amount:
0.111859965
Response:
28438.1
Display
Included Pts
Curve
Error Bars
Rejected Pts
Residuals
Confidence Intervals
Print...
OK
Cancel
Apply


Component Data
Plot
Replicates
Groups
Component:
Zsulfate
Curve Fit Type:
Linear
Origin:
Ignore
Calibrate By:
Area
2x10^7
1x10^7
1x10^7
9x10^6
4x10^6
0
Area
0
10.00
20.00
30.00
40.00
50.00
Amount
Replicates
View:
Replicate
1
Replicate
Use
Comment
L1 173242
L2 363657
L3 924119
L4 1967144
L5 4035017
L6 10561080
L7 22604372
r² = 0.998955
K0 = 0.5978
K1 = 2.211e-006
Calculator
Amount:
0.980792226
Response:
173241.9
Display
Included Pts
Curve
Error Bars
Rejected Pts
Residuals
Confidence Intervals
Print...
OK
Cancel
Apply

A.P.P.L. INC.

2A

INITIAL AND CONTINUING CALIBRATION VERIFICATION

Lab Name: A.P.P.L. INC. Contract: Air Toxics Ltd.

ARF No: 59854 SDG: 59854

Initial Calibration Source: CPI

Continuing Calibration Source: Environmental Express

Analysis Date: 9/8/2009

Analyte	Calibration Verification									M
	True ICV	Found 20:08	%R(1)	True CCV1	Found 20:58	%R(1)	True	Found	%R(1)	
fluoride	2.5	2.30523	92.2	2.5	2.40839	96.3				
sulfate	5	5.08023	102	25	24.1865	96.7				

(1) Control Limits: 90-110

ILM02.0

A.P.P.L. INC.
3
BLANKS

Lab Name: A.P.P.L. INC. Contract: Air Toxics Ltd.

ARF No.: 59854 SDG: 59854

Preparation Blank Matrix (soil/water): water

Preparation Blank Concentration Units (ug/L or mg/kg): mg/L

Analyte	Calibration Blanks										M
	ICB 09/08/09 20:25	C	CCB 09/08/09 21:15	C		C		C		C	
fluoride	1.000	U	1.000	U							
sulfate	5.000	U	5.000	U							

A.P.P.L. INC.

2A

INITIAL AND CONTINUING CALIBRATION VERIFICATION

Lab Name: A.P.P.L. INC. Contract: Air Toxics Ltd.

ARF No: 59854 SDG: 59854

Initial Calibration Source: CPI

Continuing Calibration Source: Environmental Express

Analysis Date: 09/24/09

Analyte	Calibration Verification									M
	True CCV1	Found 8:55	%R(1)	True CCV1	Found 12:30	%R(1)	True CCV1	Found 16:01	%R(1)	
fluoride	2.5	2.43527	97.4	2.5	2.40744	96.3	2.5	2.45270	98.1	
sulfate	25	26.1550	105	25	24.9741	99.9	25	25.3002	101	

(1) Control Limits: 90-110

ILM02.0

A.P.P.L. INC.
3
BLANKS

Lab Name: A.P.P.L. INC. Contract: Air Toxics Ltd.

ARF No.: 59854 SDG: 59854

Preparation Blank Matrix (soil/water): water

Preparation Blank Concentration Units (ug/L or mg/kg): mg/L

Analyte	Calibration Blanks										M
	CCB 09/24/09 09:11	C	CCB 09/24/09 12:46	C	CCB 09/24/09 16:16	C		C		C	
fluoride	1.000	U	1.000	U	1.000	U					
sulfate	5.000	U	5.000	U	5.000	U					

A.P.P.L. INC.
2A
INITIAL AND CONTINUING CALIBRATION VERIFICATION

Lab Name: A.P.P.L. INC. Contract: Air Toxics LTD

ARF No.: 59854 SDG: 59854

Initial Calibration Source: Mallinckodt

Continuing Calibration Source: J.T baker

Analysis Date: 9/24/09 Concentration Units: mg/L

Analyte	Initial Calibration True ICV	Found 11:58	%R(1)	Continuing Calibration True CCV	Found 15:45	%R(1)	Found	%R(1)	M
Sulfite	25.0	24.319	97.3	25.00	23.59	94.4			P

(1) Control Limits: Wetlab 90-110

FORM II (PART 1) - IN ILM02.0

A.P.P.L. INC.
3
BLANKS

Lab Name: A.P.P.L. INC. Contract: Air Toxics LTD

ARF No.: 59584 SDG: 59584

Preparation Blank Matrix (water): water

Preparation Blank Concentration Units : mg/L

Analysis Date: 9/24/09 Concentration Units: mg/L

			Continuing Calibration Blank (mg/L)					
	CCB		CCB					
Analyte	2 09/24/09 12:46	C	2 09/24/09 16:16	C				
Sulfite	5.0	U	5.0	U				

A.P.P.L. INC.

2A

INITIAL AND CONTINUING CALIBRATION VERIFICATION

Lab Name: A.P.P.L. INC. Contract: Air Toxics Ltd.

ARF No: 59854 SDG: 59854

Initial Calibration Source: CPI

Continuing Calibration Source: Environmental Express

Analysis Date: 09/25/09

Analyte	Calibration Verification									M
	True CCV1	Found 8:43	%R(1)	True CCV1	Found 12:45	%R(1)	True	Found	%R(1)	
fluoride	2.5	2.51732	101	2.5	2.44747	97.9				
sulfate	25	25.1801	101	25	24.7328	98.9				

(1) Control Limits: 90-110

ILM02.0

A.P.P.L. INC.
3
BLANKS

Lab Name: A.P.P.L. INC. Contract: Air Toxics Ltd.

ARF No.: 59854 SDG: 59854

Preparation Blank Matrix (soil/water): water

Preparation Blank Concentration Units (ug/L or mg/kg): mg/L

Analyte	Calibration Blanks										M
	CCB 09/25/09 09:32	C	CCB 09/25/09 13:18	C		C		C		C	
fluoride	1.000	U	1.000	U							
sulfate	5.000	U	5.000	U							

A.P.P.L. INC.
2A
INITIAL AND CONTINUING CALIBRATION VERIFICATION

Lab Name: A.P.P.L. INC. Contract: Air Toxics LTD

ARF No.: 59854 SDG: 59854

Initial Calibration Source: Mallinckodt

Continuing Calibration Source: J.T baker

Analysis Date: 09/25/09 Concentration Units: mg/L

Analyte	Initial Calibration True ICV	Found 8:12	%R(1)	Continuing Calibration True CCV	Found 13:02	%R(1)	Found	%R(1)	M
Sulfite	25.0	24.751	99.0	25.00	22.6674	90.7			P

(1) Control Limits: Wetlab 90-110

FORM II (PART 1) - IN ILM02.0

A.P.P.L. INC.
3
BLANKS

Lab Name: A.P.P.L. INC. Contract: Air Toxics LTD

ARF No.: 59584 SDG: 59584

Preparation Blank Matrix (water): water

Preparation Blank Concentration Units : mg/L

Analysis Date: 09/25/09 Concentration Units: mg/L

	Continuing Calibration Blank (mg/L)								
	CCB		CCB						
Analyte	2 09/25/09 9:32	C	2 09/25/09 13:18	C					
Sulfite	5.0	U	5.0	U					

INORGANIC ANALYSES
AUTO CALIBRATION

Analytical Method: 300/9056

Lab Name: APPL, Inc.

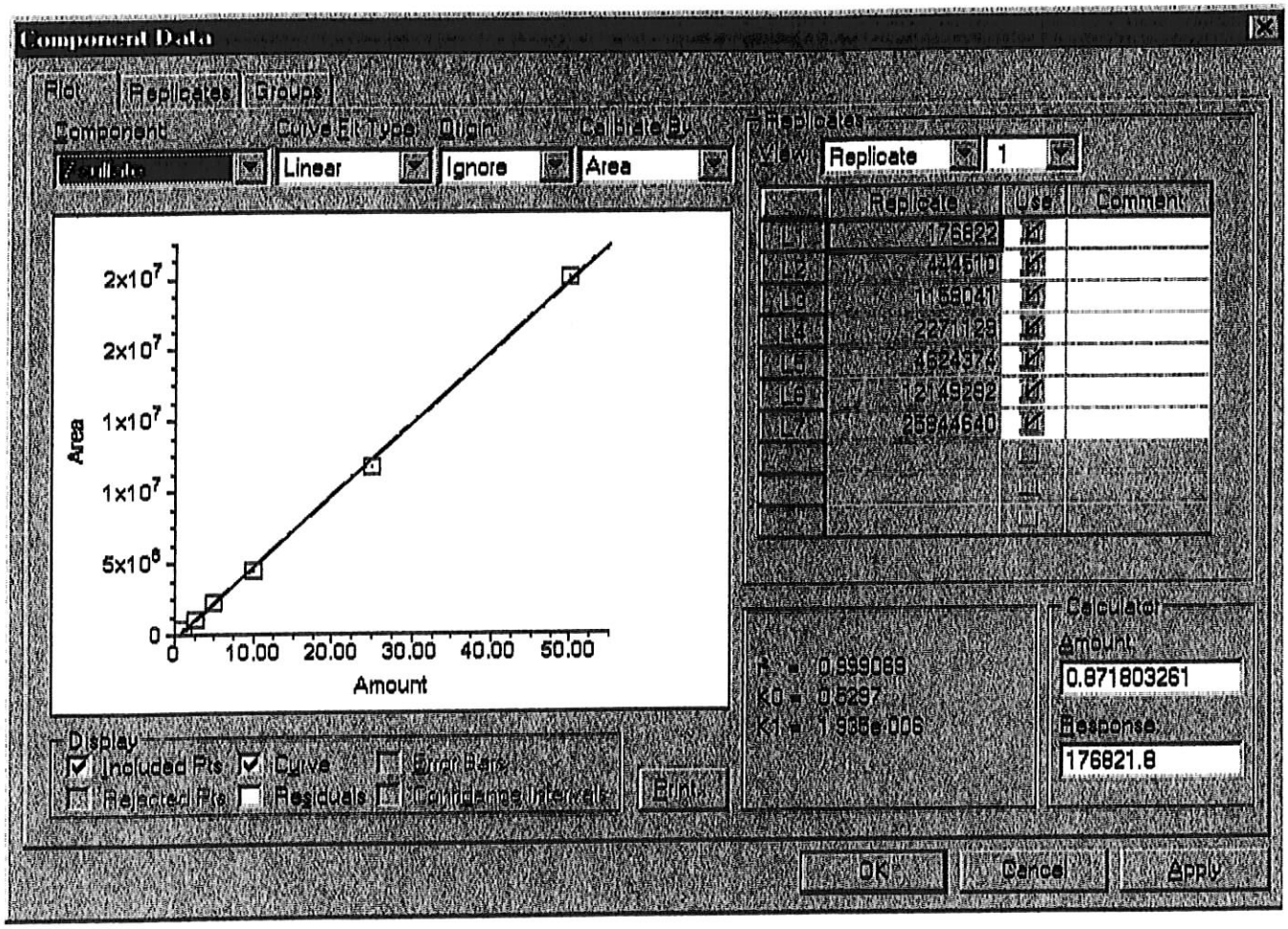
Instrument ID: Dionex

Autocal ID: 090928a

Concentration Units (mg/L or mg/kg): mg/L

Analyte	1	2	3	4	5	6	7
	Autocal 13:25	Autocal 13:42	Autocal 13:58	Autocal 14:15	Autocal 14:31	Autocal 14:48	Autocal 15:21
Bromide	47911	117894	311112	630770	1290197	3457177	7200873
Chloride	284400	622431	1492117	3013976	6440657	18241880	40194723
Fluoride	20480	99752	205202	425345	897542	2493520	5247527
Nitrate-N	143858	278624	710515	1440523	2948678	7905563	17044271
Nitrite-N	38792	87933	303800	608470	1284469	3470086	7116627
Phosphate-P	46202	114825	375886	692515	1357445	3129437	6130483
Sulfate	176821	444510	1158040	2271129	4624374	12149291	25844639

Comments: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Plot
Replicates
Groups
Component
Curve Fit Type
Weight
Calibrate By
Linear
Ignore
Area
Area
Amount
Replicates
View
Replicate
1
Replicate
User
Comment
L1
L2
L3
L4
L5
L6
L7
Display
Included Pts
Curve
Error Bars
Rejected Pts
Residuals
Confidence Intervals
Print...
R = 0.999089
Ko = 0.6297
K1 = 1.935e-006
Calculator
Amount
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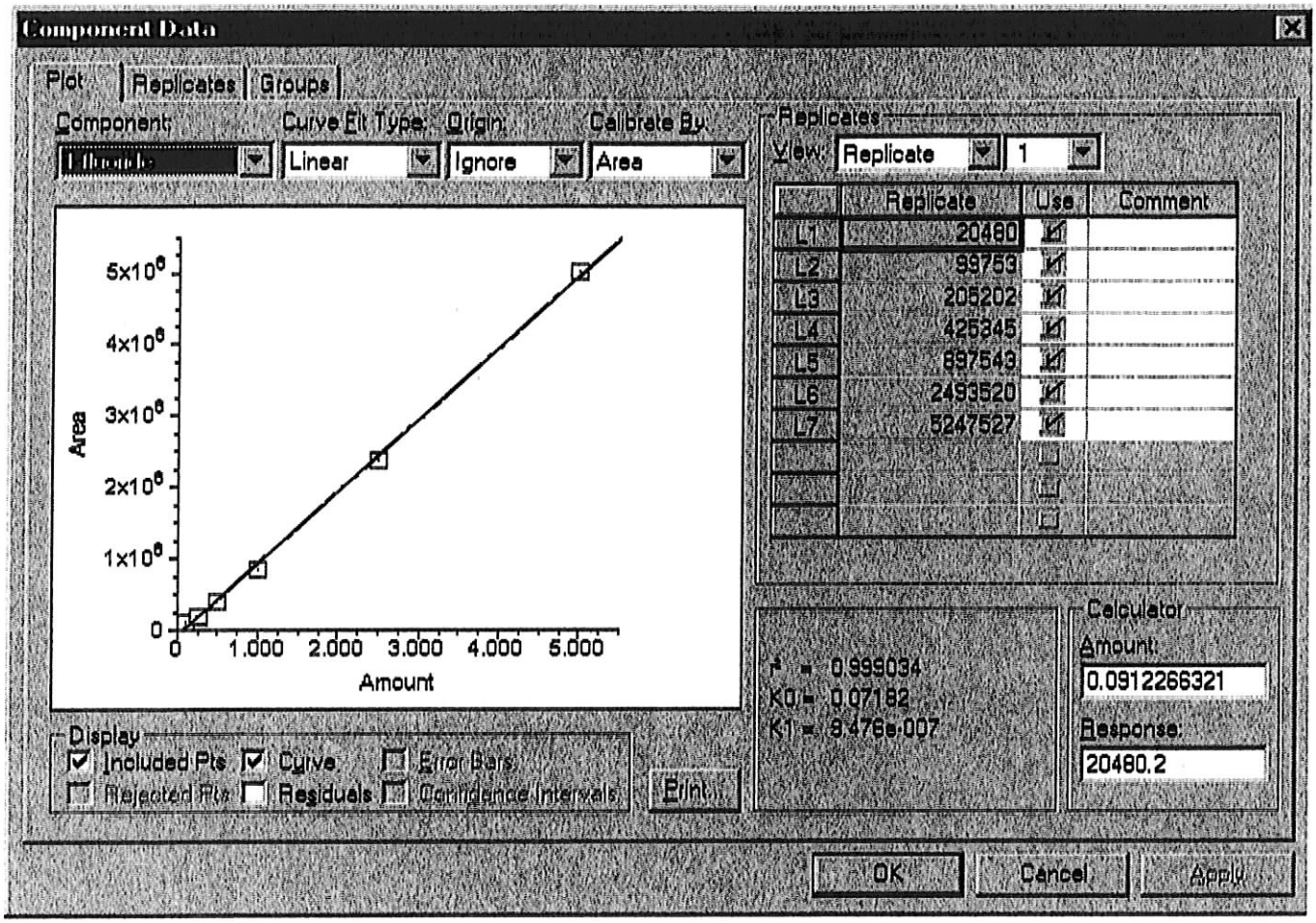
Response
176821.8
OK
Cancel
Apply


Component Data
Plot
Replicates
Groups
Component:
Curve Fit Type:
Origin:
Calibrate By:
Linear
Ignore
Area
Area
Amount
Replicates
View:
Replicate
1
Replicate
Use
Comment
L1 20480
L2 99753
L3 205202
L4 425845
L5 897543
L6 2493520
L7 5247527
r = 0.999034
K0 = 0.07182
K1 = 9.476e-007
Calculator
Amount:
0.0912266321
Response:
20480.2
Display
Included Pts
Curve
Error Bars
Rejected Pts
Residuals
Confidence Intervals
Print...
OK
Cancel
Apply

A.P.P.L. INC.

2A

INITIAL AND CONTINUING CALIBRATION VERIFICATION

Lab Name: A.P.P.L. INC. Contract: Air Toxics Ltd.

ARF No: 59854 SDG: 59854

Initial Calibration Source: CPI

Continuing Calibration Source: Environmental Express

Analysis Date: 09/28/09

Analyte	Calibration Verification									M
	True ICV	Found 16:22	%R(1)	True CCV1	Found 16:55	%R(1)	True	Found	%R(1)	
fluoride	2.5	2.31671	92.7	2.5	2.35805	94.3				
sulfate	5	4.95602	99.1	25	23.8454	95.4				

(1) Control Limits: 90-110

ILM02.0

A.P.P.L. INC.
3
BLANKS

Lab Name: A.P.P.L. INC. Contract: Air Toxics Ltd.

ARF No.: 59854 SDG: 59854

Preparation Blank Matrix (soil/water): water

Preparation Blank Concentration Units (ug/L or mg/kg): mg/L

Analyte	Calibration Blanks										M
	ICB 09/28/09 16:38	C	CCB 09/28/09 17:11	C		C		C		C	
fluoride	1.000	U	1.000	U							
sulfate	5.000	U	5.000	U							

A.P.P.L. INC.

2A

INITIAL AND CONTINUING CALIBRATION VERIFICATION

Lab Name: A.P.P.L. INC. Contract: Air Toxics Ltd.

ARF No: 59854 SDG: 59854

Initial Calibration Source: CPI

Continuing Calibration Source: Environmental Express

Analysis Date: 09/29/09

Analyte	Calibration Verification									M
	True CCV1	Found 8:22	%R(1)	True CCV1	Found 12:41	%R(1)	True CCV1	Found 8:04	%R(1)	
fluoride	2.5	2.39188	95.7	2.5	2.40506	96.2	2.5	2.38867	95.5	
sulfate	25	24.3308	97.3	25	24.0024	96.0	25	24.6034	98.4	

(1) Control Limits: 90-110

ILM02.0

A.P.P.L. INC.
2A
INITIAL AND CONTINUING CALIBRATION VERIFICATION

Lab Name: A.P.P.L. INC. Contract: Air Toxics LTD

ARF No.: 59854 SDG: 59854

Initial Calibration Source: Mallinckodt

Continuing Calibration Source: J.T baker

Analysis Date: 09/29/09 Concentration Units: mg/L

Analyte	Initial Calibration True ICV	Found 7:51	%R(1)	Continuing Calibration True CCV	Found 12:25	%R(1)	Found 15:38	%R(1)	M
Sulfite	25.0	26.227	104.9	25.0	24.717	98.9	23.866	95.5	P

(1) Control Limits: Wetlab 90-110

FORM II (PART 1) - IN ILM02.0

A.P.P.L. INC.
3
BLANKS

Lab Name: A.P.P.L. INC. Contract: Air Toxics Ltd.

ARF No.: 59854 SDG: 59854

Preparation Blank Matrix (soil/water): water

Preparation Blank Concentration Units (ug/L or mg/kg): mg/L

Analyte	Calibration Blanks										M
	CCB 09/29/09 08:56	C	CCB 09/29/09 12:58	C	CCB 09/30/09 07:47	C		C		C	
fluoride	1.000	U	1.000	U	1.000	U					
sulfate	5.000	U	5.000	U	5.000	U					

A.P.P.L. INC.
3
BLANKS

Lab Name: A.P.P.L. INC. Contract: Air Toxics LTD

ARF No.: 59584 SDG: 59584

Preparation Blank Matrix (water): water

Preparation Blank Concentration Units : mg/L

Analysis Date: 9/2909 Concentration Units: mg/L

Analyte	Continuing Calibration Blank (mg/L)			
	CCB		CCB	
	2 09/29/09 8:56	C	2 09/29/09 12:58	C
Sulfite	5.0	U	5.0	U

A.P.P.L. INC.

2A

INITIAL AND CONTINUING CALIBRATION VERIFICATION

Lab Name: A.P.P.L. INC. Contract: Air Toxics Ltd.

ARF No: 59854 SDG: 59854

Initial Calibration Source: CPI

Continuing Calibration Source: Environmental Express

Analysis Date: 09/30/09

Analyte	Calibration Verification									M
	True CCV1	Found 11:27	%R(1)	True CCV1	Found 15:42	%R(1)	True CCV1	Found 11:43	%R(1)	
fluoride	2.5	2.41570	96.6	2.5	2.41480	96.6	2.5	2.29976	92.0	
sulfate	25	24.2851	97.1	25	24.4652	97.9	25	23.6175	94.5	

(1) Control Limits: 90-110

ILM02.0

A.P.P.L. INC.
2A
INITIAL AND CONTINUING CALIBRATION VERIFICATION

Lab Name: A.P.P.L. INC. Contract: Air Toxics LTD

ARF No.: 59854 SDG: 59854

Initial Calibration Source: Mallinckodt

Continuing Calibration Source: J.T baker

Analysis Date: 9/30/09 Concentration Units: mg/L

Analyte	Initial Calibration True ICV	Found 10:56	%R(1)	Continuing Calibration True CCV	Found 17:13	%R(1)		M
Sulfite	25.0	25.400	101.6	25.00	25.665	102.7		P

(1) Control Limits: Wetlab 90-110

FORM II (PART 1) - IN ILM02.0

A.P.P.L. INC.
3
BLANKS

Lab Name: A.P.P.L. INC. Contract: Air Toxics LTD

ARF No.: 59584 SDG: 59584

Preparation Blank Matrix (water): water

Preparation Blank Concentration Units : mg/L

Analysis Date: 9/30/09 Concentration Units: mg/L

	Continuing Calibration Blank (mg/L)					
	CCB		CCB		CCB	
Analyte	2 09/30/09 7:47	C	2 09/30/09 12:01	C	2 09/30/09 16:14	C
Sulfite	5.0	U	5.0	U	5.0	U

A.P.P.L. INC.
3
BLANKS

Lab Name: A.P.P.L. INC. Contract: Air Toxics Ltd.

ARF No.: 59854 SDG: 59854

Preparation Blank Matrix (soil/water): water

Preparation Blank Concentration Units (ug/L or mg/kg): mg/L

Analyte	Calibration Blanks										M
	CCB 09/30/09 12:01	C	CCB 09/30/09 16:14	C	CCB 10/01/09 12:37	C	CCB 10/01/09 16:26	C	CCB 10/01/09 17:14	C	
fluoride	1.000	U	1.000	U	1.000	U	1.000	U	1.0000	U	
sulfate	5.000	U	5.000	U	5.000	U	5.000	U	5.0000	U	

A.P.P.L. INC.

2A

INITIAL AND CONTINUING CALIBRATION VERIFICATION

Lab Name: A.P.P.L. INC. Contract: Air Toxics Ltd.

ARF No: 59854 SDG: 59854

Initial Calibration Source: CPI

Continuing Calibration Source: Environmental Express

Analysis Date: 10/01/09

Analyte	Calibration Verification									M
	True CCV1	Found 16:09	%R(1)	True CCV1	Found 19:26	%R(1)	True	Found	%R(1)	
fluoride	2.5	2.43675	97.5	2.5	2.37583	95.0				
sulfate	25	24.0535	96.2	25	24.0301	96.1				

(1) Control Limits: 90-110

ILM02.0

A.P.P.L. INC.
2A
INITIAL AND CONTINUING CALIBRATION VERIFICATION

Lab Name: A.P.P.L. INC. Contract: Air Toxics LTD

ARF No.: 59587 SDG: 59587

Initial Calibration Source: Mallinckodt

Continuing Calibration Source: J.T baker

Analysis Date: 10/01/09 Concentration Units: mg/L

Analyte	Initial Calibration True ICV	Found 12:22	%R(1)	Continuing Calibration True CCV	Found 15:53	%R(1)	True CCV	Found 16:58	%R(1)	M
Sulfite	25.0	25.074	100.3	25.00	27.03	108.1	50.00	50.953	101.9	P

(1) Control Limits: Wetlab 90-110

FORM II (PART 1) - IN ILM02.0

A.P.P.L. INC.
3
BLANKS

Lab Name: A.P.P.L. INC. Contract: Air Toxics LTD

ARF No.: 59584 SDG: 59584

Preparation Blank Matrix (water): water

Preparation Blank Concentration Units : mg/L

Analysis Date: 10/1/09 Concentration Units: mg/L

Analyte			Continuing Calibration Blank (mg/L)			
	CCB		CCB		CCB	
	2 10/01/09 12:37	C	2 10/01/09 16:26	C	2 10/01/09 17:14	C
Sulfite	5.0	U	5.0	U	5.0	U

Calibration Update Report

Sample Name : sulfite090825AICAL#1
Data File Name : i:\dionex\d1anions\data\090825a\090825a_012.DXD

Method File Name : ...\EPAsufite 08-25-09Low.met
Schedule File Name : ...\090825a.sch
Date Time Collected : 8/25/09 12:26:03

Calibration Date : 8/26/09 12:48:29
System Operator : PD
Injection Number : 12

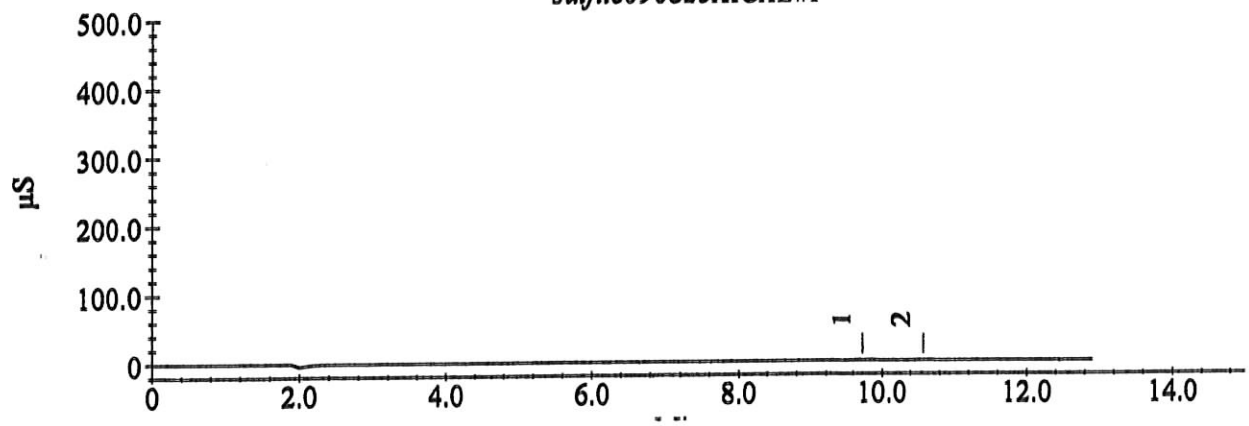
Peak Information : All Components

Peak #	Retention Time	Component Name	Cal Response (Previous)	Cal Response (Measured)	Cal Response (New)
1	9.73	sulfite	122028	122028	122028

Peak Information : All Components

Peak #	Retention Time	Component Name	Amount (mg/L)	Peak Area	Peak Height	Limit Exceeded
1	9.73	sulfite	0.50	122028	5825	-

sulfite090825AICAL#1



Calibration Update Report

Sample Name : sulfite090825AICAL#2
Data File Name : I:\dionex\d1anions\data\090825a\090825a_013.DXD

Method File Name : ...\EPAsufite 08-25-09Low.met
Schedule File Name : ...\090825a.sch
Date Time Collected : 8/25/09 12:41:36

Calibration Date : 8/26/09 12:48:41
System Operator : PD
Injection Number : 13

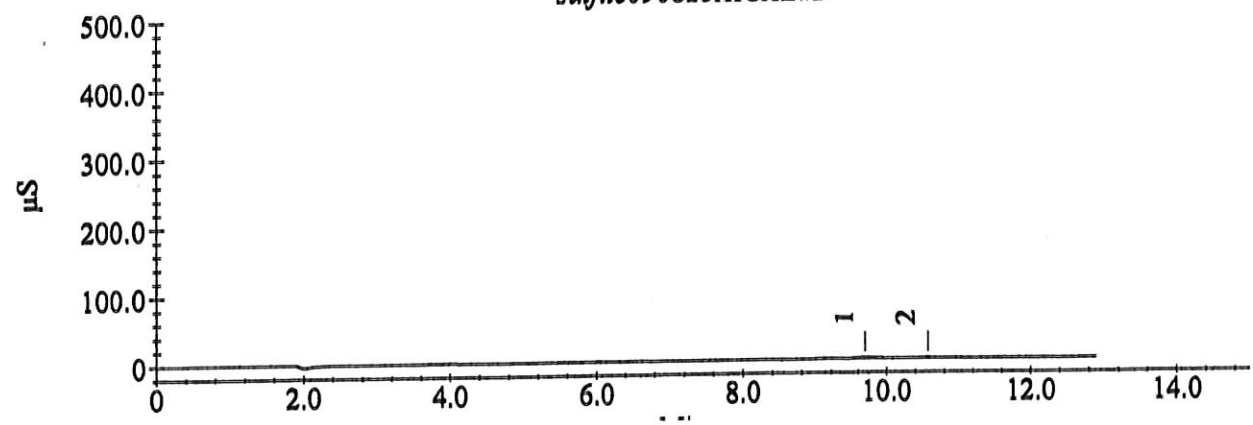
Peak Information : All Components

Peak #	Retention Time	Component Name	Cal Response (Previous)	Cal Response (Measured)	Cal Response (New)
1	9.71	sulfite	280400	280400	280400

Peak Information : All Components

Peak #	Retention Time	Component Name	Amount (mg/L)	Peak Area	Peak Height	Limit Exceeded
1	9.71	sulfite	1.00	280400	12606	

sulfite090825AICAL#2



Calibration Update Report

Sample Name : sulfite090825AICAL#3
Data File Name : i:\dionex\d1anions\data\090825a\090825a_014.DXD

Method File Name : ...\EPAsufite 08-25-09Low.met
Schedule File Name : ...\090825a.sch
Date Time Collected : 8/25/09 12:57:10

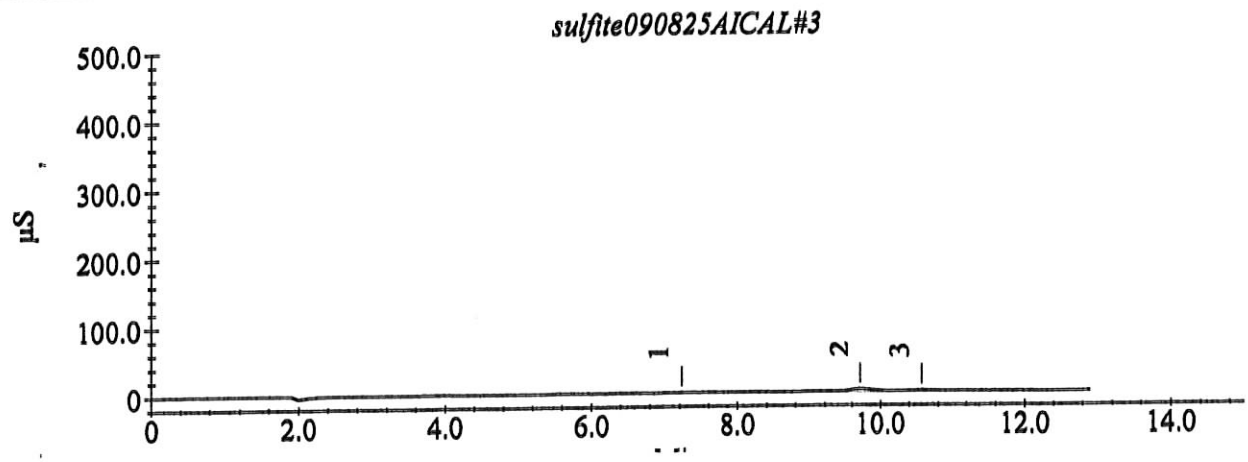
Calibration Date : 8/26/09 12:48:48
System Operator : PD
Injection Number : 14

Peak Information : All Components

Peak #	Retention Time	Component Name	Cal Response (Previous)	Cal Response (Measured)	Cal Response (New)
2	9.72	sulfite	746216	746216	746216

Peak Information : All Components

Peak #	Retention Time	Component Name	Amount (mg/L)	Peak Area	Peak Height	Limit Exceeded
2	9.72	sulfite	2.50	746216	33264	



Calibration Update Report

Sample Name : sulfite090825AICAL#4
Data File Name : I:\dionex\d1anions\data\090825a\090825a_015.DXD

Method File Name : ...\EPAsufite 08-25-09Low.met
Schedule File Name : ...\090825a.sch
Date Time Collected : 8/25/09 13:12:41

Calibration Date : 8/26/09 12:48:55
System Operator : PD
Injection Number : 15

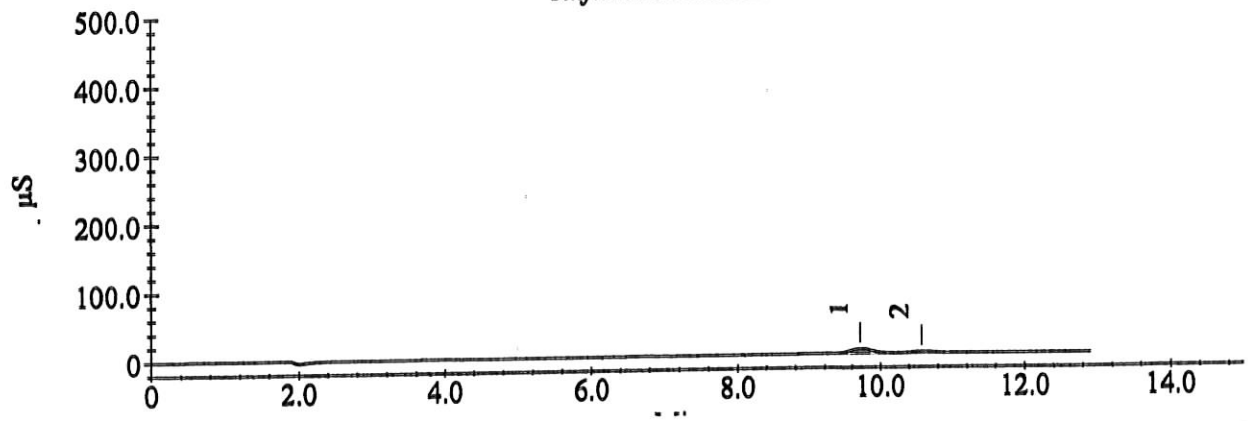
Peak Information : All Components

Peak #	Retention Time	Component Name	Cal Response (Previous)	Cal Response (Measured)	Cal Response (New)
1	9.72	sulfite	1477609	1477609	1477609

Peak Information : All Components

Peak #	Retention Time	Component Name	Amount (mg/L)	Peak Area	Peak Height	Limit Exceeded
1	9.72	sulfite	5.00	1477609	64681	

sulfite090825AICAL#4



Calibration Update Report

Sample Name : sulfite090825AICAL#5
Data File Name : i:\dionex\d1anions\data\090825a\090825a_016.DXD

Method File Name : ...\EPAsufite 08-25-09Low.met
Schedule File Name : ...\090825a.sch
Date Time Collected : 8/25/09 13:28:16

Calibration Date : 8/26/09 12:49:02
System Operator : PD
Injection Number : 16

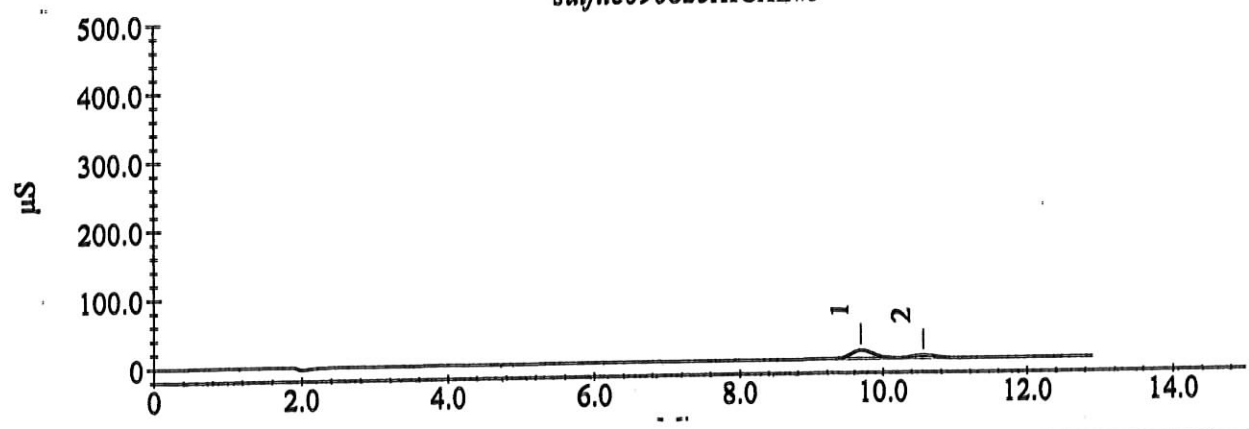
Peak Information : All Components

Peak #	Retention Time	Component Name	Cal Response (Previous)	Cal Response (Measured)	Cal Response (New)
1	9.69	sulfite	2740985	2740985	2740985

Peak Information : All Components

Peak #	Retention Time	Component Name	Amount (mg/L)	Peak Area	Peak Height	Limit Exceeded
1	9.69	sulfite	10.00	2740985	120876	

sulfite090825AICAL#5



Calibration Update Report

Sample Name : sulfite090825AICAL#6
Data File Name : I:\dionex\d1anions\data\090825a\090825a_017.DXD

Method File Name : ...\EPAsufite 08-25-09Low.met
Schedule File Name : ...\090825a.sch
Date Time Collected : 8/25/09 13:43:47

Calibration Date : 8/26/09 12:49:08
System Operator : PD
Injection Number : 17

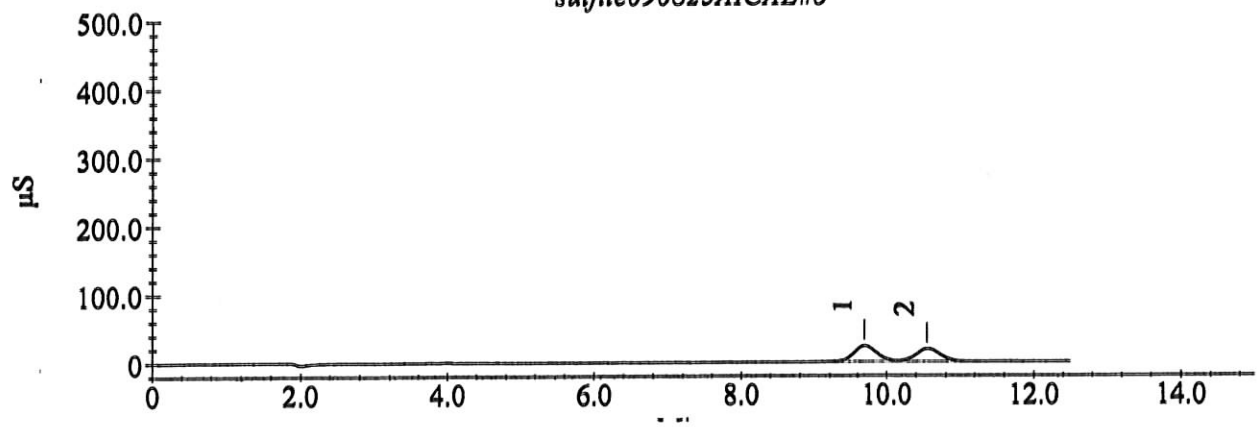
Peak Information : All Components

Peak #	Retention Time	Component Name	Cal Response (Previous)	Cal Response (Measured)	Cal Response (New)
1	9.69	sulfite	5115366	5115366	5115366

Peak Information : All Components

Peak #	Retention Time	Component Name	Amount (mg/L)	Peak Area	Peak Height	Limit Exceeded
1	9.69	sulfite	25.00	5115366	230916	

sulfite090825AICAL#6



Calibration Update Report

Sample Name : sulfite090825AICAL#7
Data File Name : I:\dionex\d1anions\data\090825a\090825a_018.DXD

Method File Name : ...\EPAsufite 08-25-09Low.met
Schedule File Name : ...\090825a.sch
Date Time Collected : 8/25/09 13:59:08

Calibration Date : 8/26/09 12:49:14
System Operator : PD
Injection Number : 18

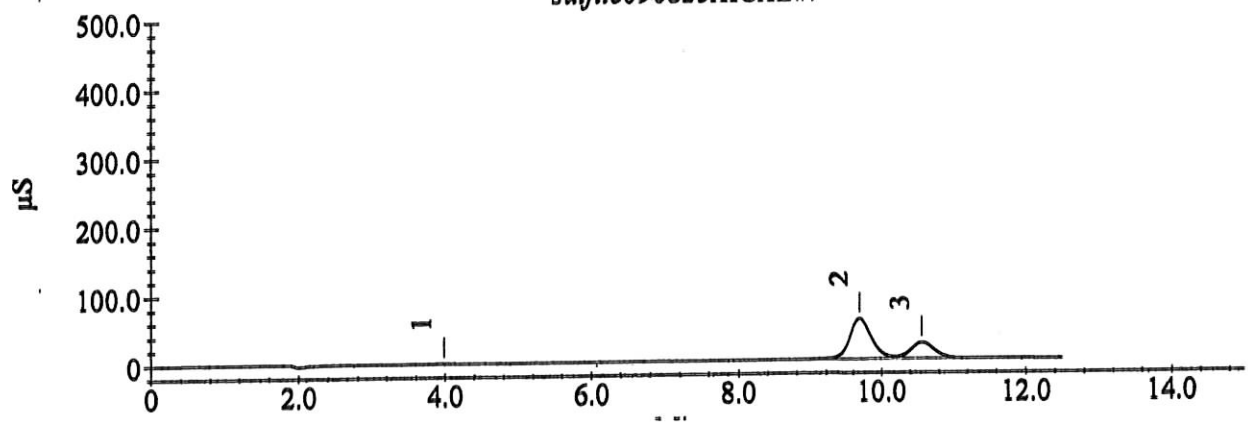
Peak Information : All Components

Peak #	Retention Time	Component Name	Cal Response (Previous)	Cal Response (Measured)	Cal Response (New)
2	9.69	sulfite	12439073	12439073	12439073

Peak Information : All Components

Peak #	Retention Time	Component Name	Amount (mg/L)	Peak Area	Peak Height	Limit Exceeded
2	9.69	sulfite	50.00	12439073	580338	

sulfite090825AICAL#7



Sample Analysis Report

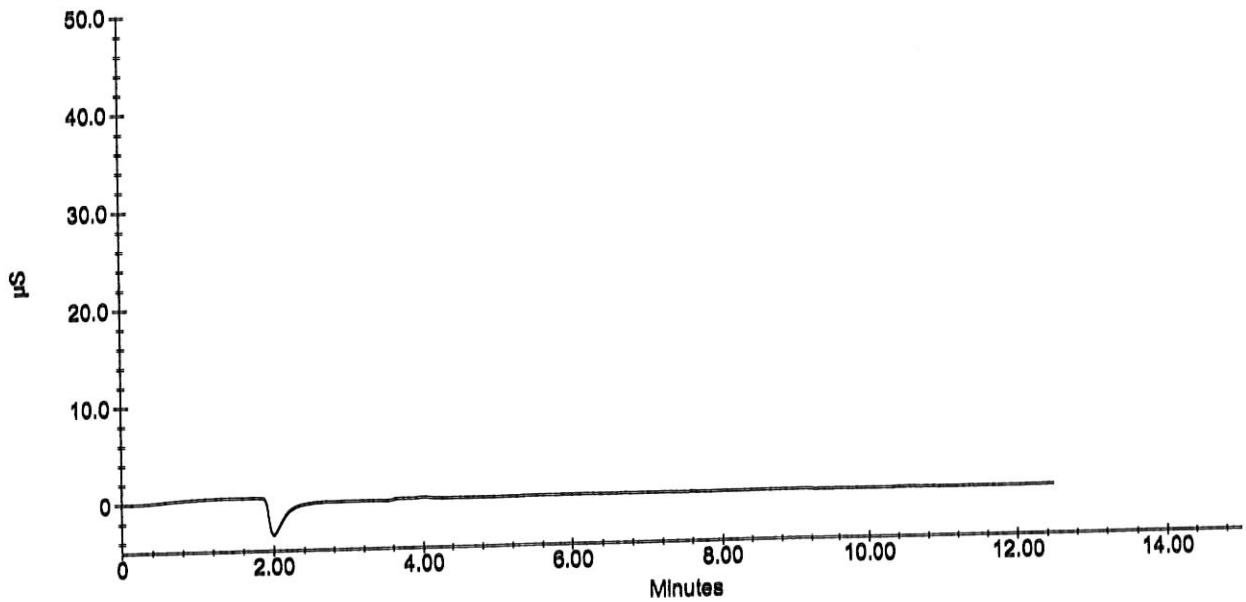
Sample Name : sulfite 090825 icb
Data File Name : i:\dionex\d1anions\data\090825a\090825a_022.DXD

Method File Name : i:\dionex\d1anions\methods\epasufite 08-25-09low.met
Date Time Collected : 8/25/09 15:12:57
System Operator : PD
Injection Number : 22
Multiplier : 1.00

Peak Information : All Peaks

Peak Number	Peak Retention Time	Component Name	Component Amount (mg/L)	Peak Area	Peak Height	Limit Exceed

sulfite 090825 icb



Sample Analysis Report

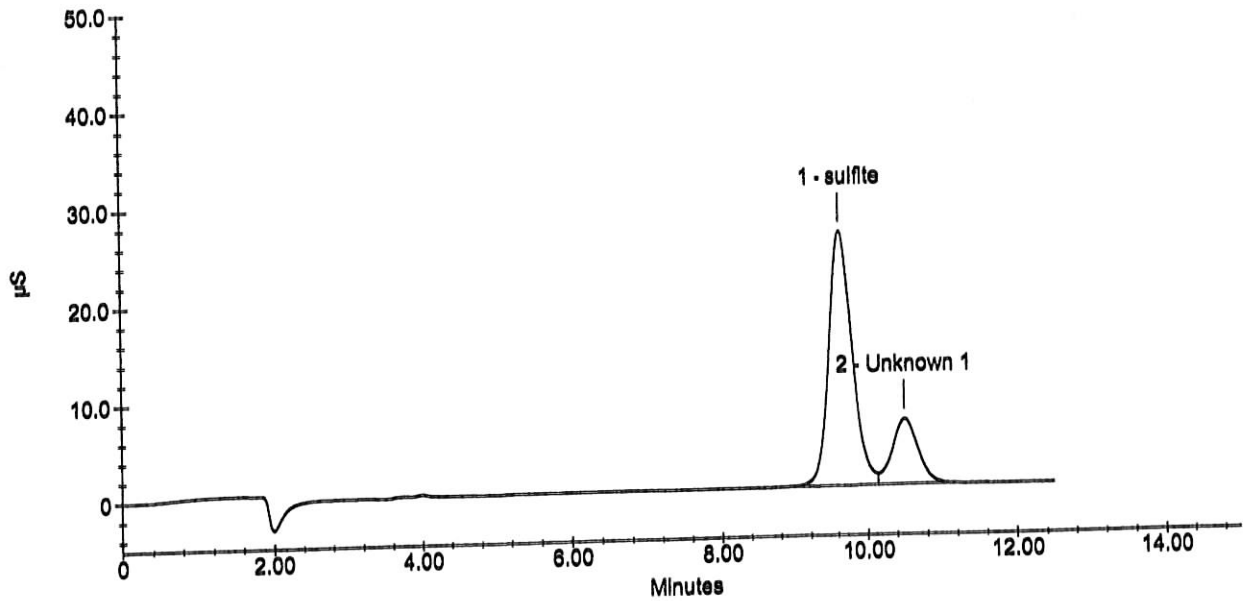
Sample Name : sulfite 090825 icv 25.0PPM
Data File Name : I:\DIONEX\D1ANIONS\DATA\090825A\090825A_023.DXD

Method File Name : i:\dionex\d1anions\methods\epasufite 08-25-09low.met
Date Time Collected : 8/25/09 15:28:03
System Operator : PD
Injection Number : 23
Multiplier : 1.00

Peak Information : All Peaks

Peak Number	Peak Retention Time	Component Name	Component Amount (mg/L)	Peak Area	Peak Height	Limit Exceed
1	9.63	sulfite	22.9153	5788540	259917	
2	10.49	Unknown 1	0.0000	1593563	66650	

sulfite 090825 icv 25.0PPM



Sample Analysis Report

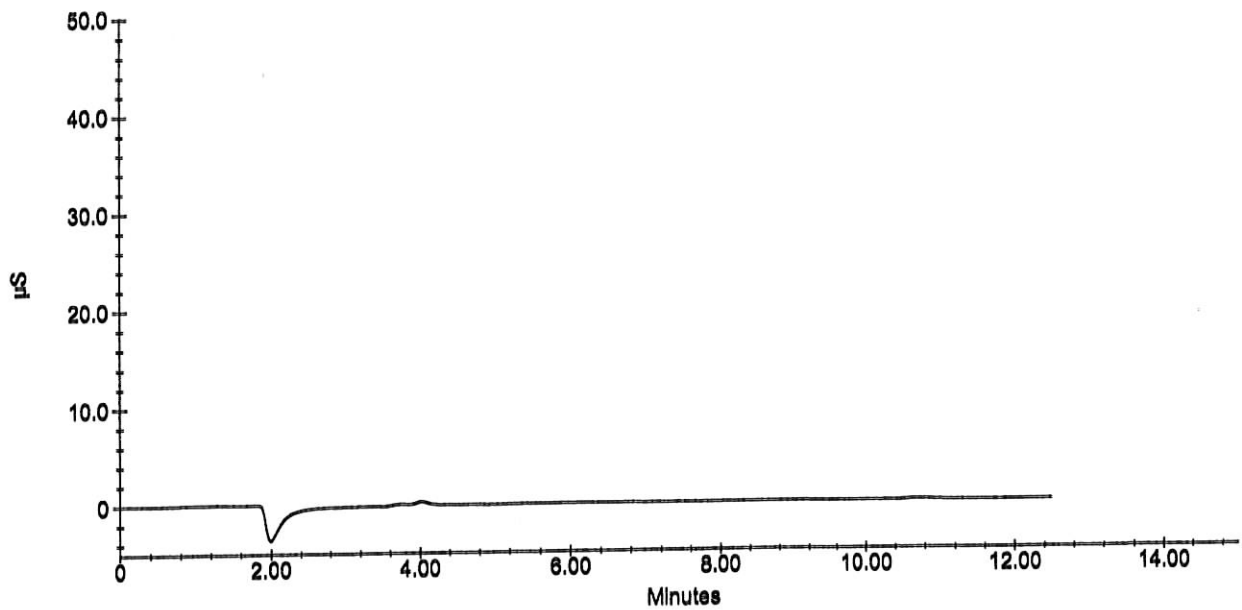
Sample Name : sulfite 090825 ccb
Data File Name : i:\dionex\d1anions\data\090825a\090825a_025.DXD

Method File Name : i:\dionex\d1anions\methods\epasufite 08-25-09low.met
Date Time Collected : 8/25/09 16:09:15
System Operator : PD
Injection Number : 25
Multiplier : 1.00

Peak Information : All Peaks

Peak Number	Peak Retention Time	Component Name	Component Amount (mg/L)	Peak Area	Peak Height	Limit Exceed

sulfite 090825 ccb



Sample Analysis Report

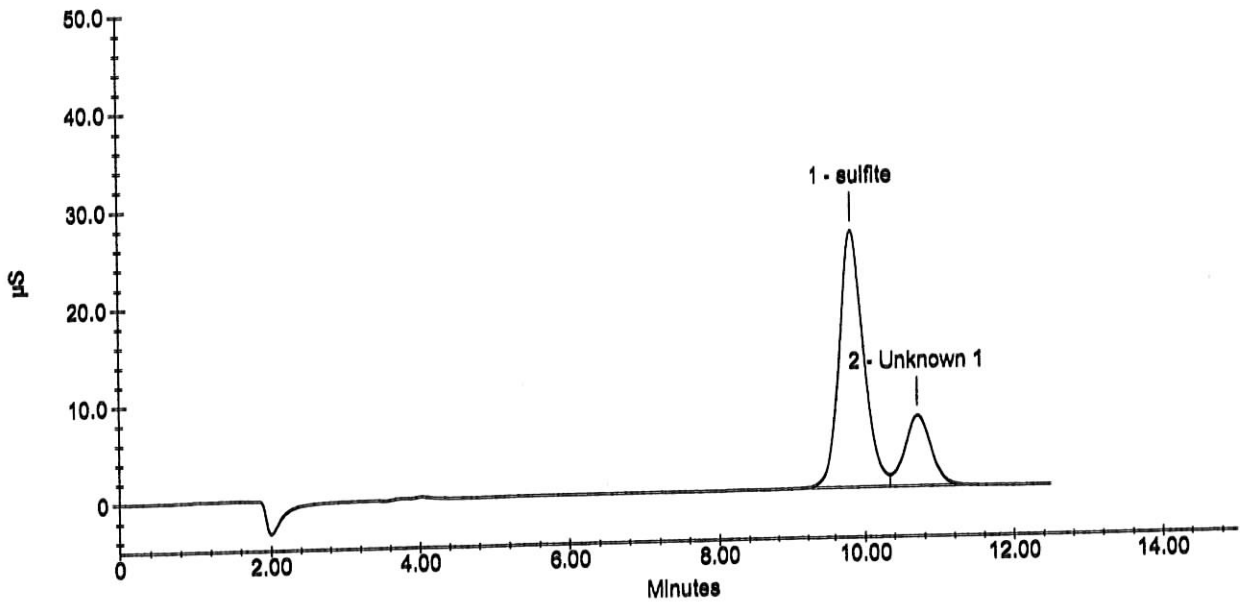
Sample Name : sulfite 090825 CCV 25.00PPM
Data File Name : i:\dionex\d1anions\data\090825a\090825a_026.DXD

Method File Name : i:\dionex\d1anions\methods\epasufite 08-25-09low.met
Date Time Collected : 8/25/09 16:24:20
System Operator : PD
Injection Number : 26
Multiplier : 1.00

Peak Information : All Peaks

Peak Number	Peak Retention Time	Component Name	Component Amount (mg/L)	Peak Area	Peak Height	Limit Exceed
1	9.83	sulfite	23.7365	5991464	262656	
2	10.71	Unknown 1	0.0000	1765324	72128	

sulfite 090825 CCV 25.00PPM



Calibration Update Report

Sample Name : 090908AICAL#1
Data File Name : i:\dionex\d1anions\data\090908a\090908a_022.DXD

Method File Name : ...\EPA300 09-08-09Low.met
Schedule File Name : ...\090908a.sch
Date Time Collected : 9/8/09 17:54:25

Calibration Date : 10/7/09 16:01:03
System Operator : pd
Injection Number : 22

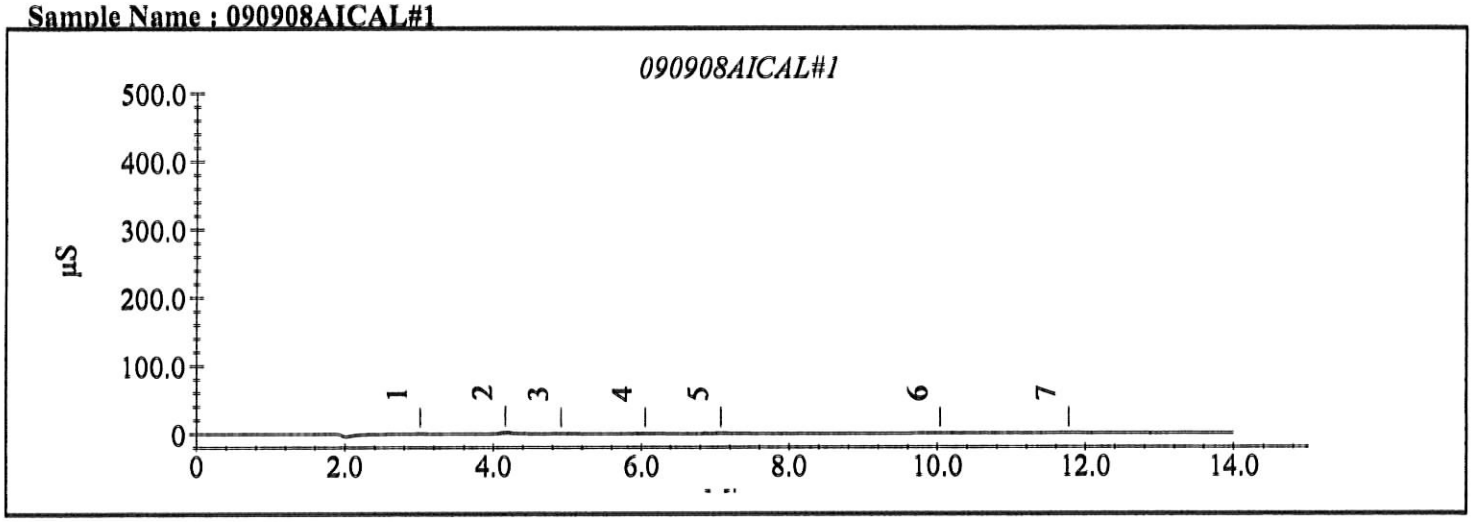
Peak Information : All Components

Peak #	Retention Time	Component Name	Cal Response (Previous)	Cal Response (Measured)	Cal Response (New)
1	3.01	fluoride	28438	28438	28438
2	4.16	chloride	246547	246547	246547
3	4.92	nitrite-n	42518	42518	42518
4	6.05	bromide	45012	45012	45012
5	7.08	nitrate-n	105973	105973	105973
6	10.04	phosphate-p	33052	33052	33052
7	11.77	sulfate	173242	173242	173242

Peak Information : All Components

Peak #	Retention Time	Component Name	Amount (mg/L)	Peak Area	Peak Height	Limit Exceeded
1	3.01	fluoride	0.05	28438	3439	-
2	4.16	chloride	0.50	246547	22623	-
3	4.92	nitrite-n	0.05	42518	3619	-
4	6.05	bromide	0.25	45012	3316	-
5	7.08	nitrate-n	0.10	105973	6211	-
6	10.04	phosphate-p	0.10	33052	1692	-
7	11.77	sulfate	0.50	173242	6135	-

Sample Name : 090908AICAL#1



Calibration Update Report

Sample Name : 090908AICAL#2
Data File Name : I:\dionex\d1anions\data\090908a\090908a_023.DXD

Method File Name : ...\EPA300 09-08-09Low.met
Schedule File Name : ...\090908a.sch
Date Time Collected : 9/8/09 18:11:13

Calibration Date : 10/7/09 16:01:27
System Operator : pd
Injection Number : 23

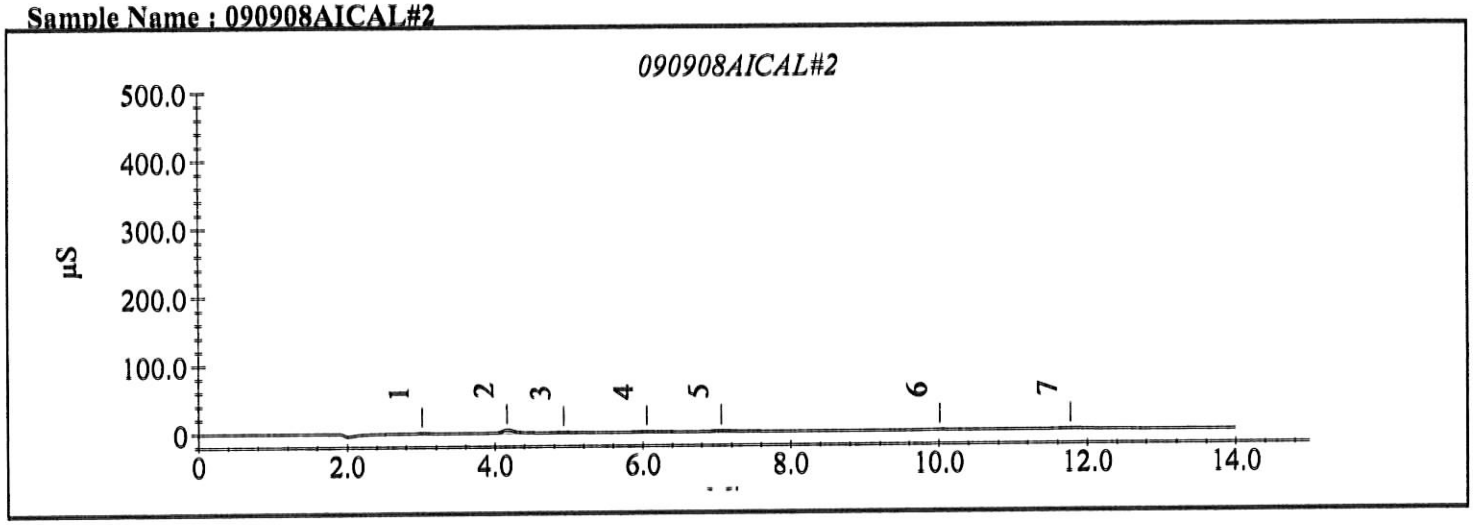
Peak Information : All Components

Peak #	Retention Time	Component Name	Cal Response (Previous)	Cal Response (Measured)	Cal Response (New)
1	3.01	fluoride	69156	69156	69156
2	4.16	chloride	501257	501257	501257
3	4.93	nitrite-n	102683	102683	102683
4	6.05	bromide	102949	102949	102949
5	7.07	nitrate-n	243976	243976	243976
6	10.01	phosphate-p	121531	121531	121531
7	11.77	sulfate	363657	363657	363657

Peak Information : All Components

Peak #	Retention Time	Component Name	Amount (mg/L)	Peak Area	Peak Height	Limit Exceeded
1	3.01	fluoride	0.10	69156	7279	
2	4.16	chloride	1.00	501257	45458	
3	4.93	nitrite-n	0.10	102683	7856	
4	6.05	bromide	0.50	102949	6839	
5	7.07	nitrate-n	0.20	243976	13327	
6	10.01	phosphate-p	0.20	121531	4451	
7	11.77	sulfate	1.00	363657	12372	

Sample Name : 090908AICAL#2



Calibration Update Report

Sample Name : 090908AICAL#3
Data File Name : I:\dionex\d1anions\data\090908a\090908a_024.DXD

Method File Name : ...\EPA300 09-08-09Low.met
Schedule File Name : ...\090908a.sch
Date Time Collected : 9/8/09 18:28:01

Calibration Date : 10/7/09 16:01:46
System Operator : pd
Injection Number : 24

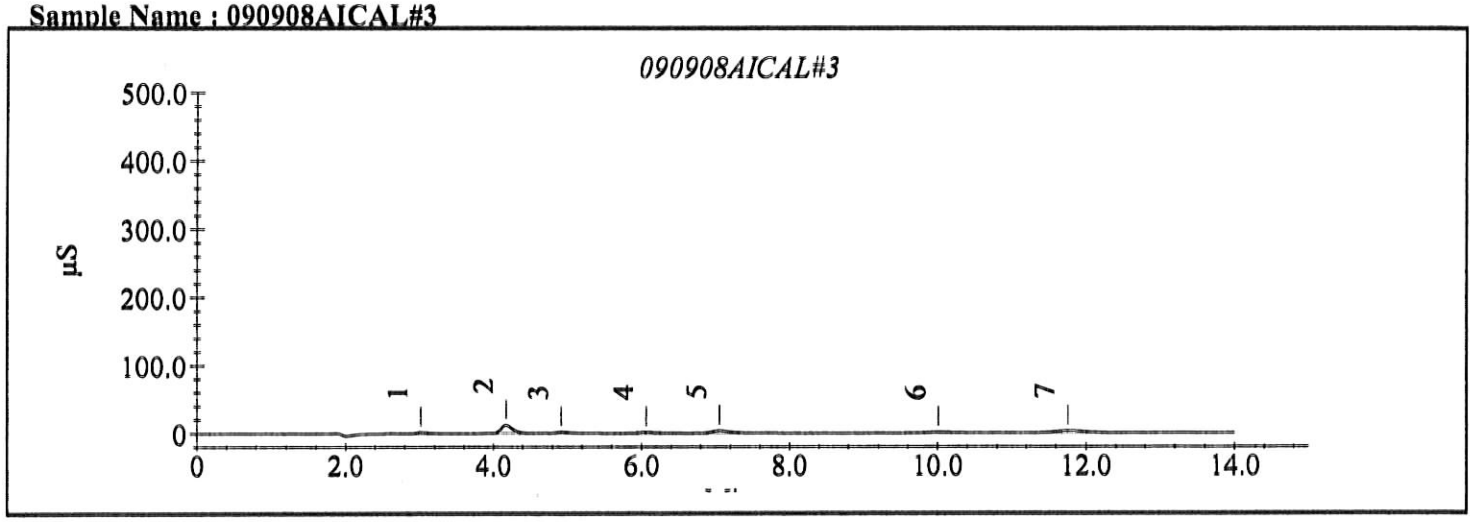
Peak Information : All Components

Peak #	Retention Time	Component Name	Cal Response (Previous)	Cal Response (Measured)	Cal Response (New)
1	3.01	fluoride	190239	190239	190239
2	4.17	chloride	1295269	1295269	1295269
3	4.92	nitrite-n	260272	260272	260272
4	6.07	bromide	273884	273884	273884
5	7.05	nitrate-n	622876	622876	622876
6	10.01	phosphate-p	342763	342763	342763
7	11.76	sulfate	924119	924119	924119

Peak Information : All Components

Peak #	Retention Time	Component Name	Amount (mg/L)	Peak Area	Peak Height	Limit Exceeded
1	3.01	fluoride	0.25	190239	19055	
2	4.17	chloride	2.50	1295269	118758	
3	4.92	nitrite-n	0.25	260272	19528	
4	6.07	bromide	1.25	273884	17661	
5	7.05	nitrate-n	0.50	622876	33635	
6	10.01	phosphate-p	0.50	342763	11278	
7	11.76	sulfate	2.50	924119	30704	

Sample Name : 090908AICAL#3



Calibration Update Report

Sample Name : 090908AICAL#4
Data File Name : I:\dionex\d1anions\data\090908a\090908a_025.DXD

Method File Name : ...\EPA300 09-08-09Low.met
Schedule File Name : ...\090908a.sch
Date Time Collected : 9/8/09 18:44:49

Calibration Date : 10/7/09 16:02:05
System Operator : pd
Injection Number : 25

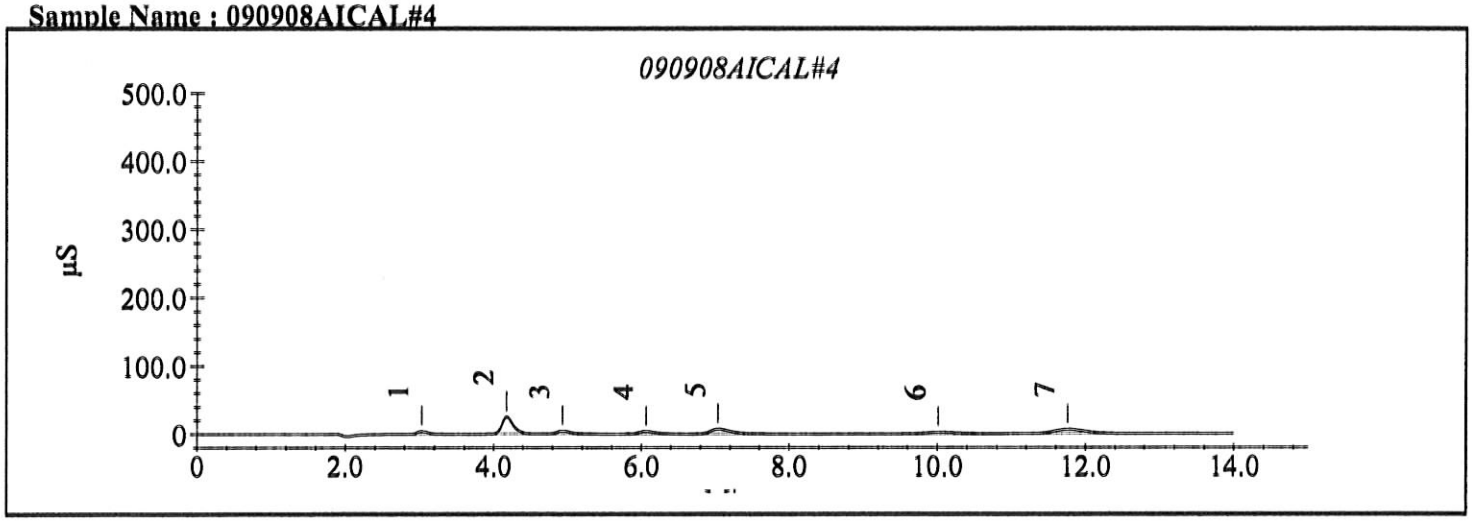
Peak Information : All Components

Peak #	Retention Time	Component Name	Cal Response (Previous)	Cal Response (Measured)	Cal Response (New)
1	3.03	fluoride	388210	388210	388210
2	4.17	chloride	2697634	2697634	2697634
3	4.93	nitrite-n	546394	546394	546394
4	6.07	bromide	565311	565311	565311
5	7.04	nitrate-n	1299803	1299803	1299803
6	10.01	phosphate-p	684255	684255	684255
7	11.76	sulfate	1967144	1967144	1967144

Peak Information : All Components

Peak #	Retention Time	Component Name	Amount (mg/L)	Peak Area	Peak Height	Limit Exceeded
1	3.03	fluoride	0.50	388210	39199	
2	4.17	chloride	5.00	2697634	248579	
3	4.93	nitrite-n	0.50	546394	40718	
4	6.07	bromide	2.50	565311	36166	
5	7.04	nitrate-n	1.00	1299803	68625	
6	10.01	phosphate-p	1.00	684255	21291	
7	11.76	sulfate	5.00	1967144	63329	

Sample Name : 090908AICAL#4



Calibration Update Report

Sample Name : 090908AICAL#5
Data File Name : I:\dionex\d1anions\data\090908a\090908a_026.DXD

Method File Name : ...\EPA300 09-08-09Low.met
Schedule File Name : ...\090908a.sch
Date Time Collected : 9/8/09 19:01:38

Calibration Date : 10/7/09 16:02:23
System Operator : pd
Injection Number : 26

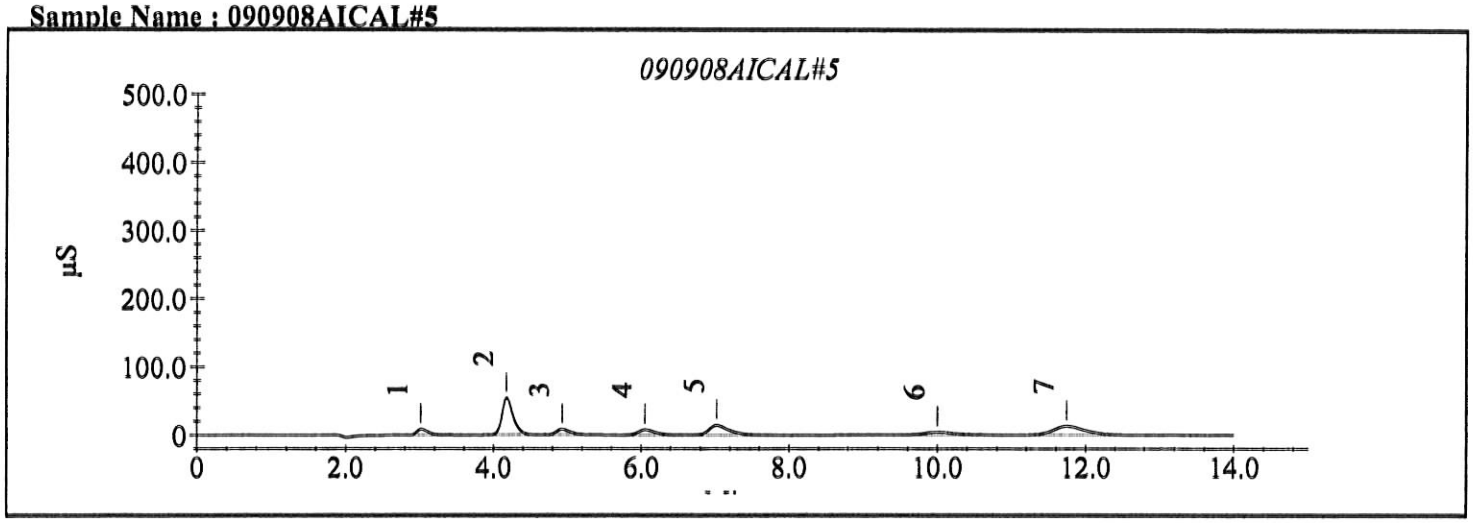
Peak Information : All Components

Peak #	Retention Time	Component Name	Cal Response (Previous)	Cal Response (Measured)	Cal Response (New)
1	3.01	fluoride	864317	864317	864317
2	4.17	chloride	5731165	5731165	5731165
3	4.93	nitrite-n	1112945	1112945	1112945
4	6.05	bromide	1161147	1161147	1161147
5	7.03	nitrate-n	2638755	2638755	2638755
6	10.00	phosphate-p	1254912	1254912	1254912
7	11.75	sulfate	4035017	4035017	4035017

Peak Information : All Components

Peak #	Retention Time	Component Name	Amount (mg/L)	Peak Area	Peak Height	Limit Exceeded
1	3.01	fluoride	1.00	864317	82552	
2	4.17	chloride	10.00	5731165	537914	
3	4.93	nitrite-n	1.00	1112945	83091	
4	6.05	bromide	5.00	1161147	74707	
5	7.03	nitrate-n	2.00	2638755	141150	
6	10.00	phosphate-p	2.00	1254912	40666	
7	11.75	sulfate	10.00	4035017	130277	

Sample Name : 090908AICAL#5



Calibration Update Report

Sample Name : 090908AICAL#6
Data File Name : I:\dionex\d1anions\data\090908a\090908a_027.DXD

Method File Name : ...\EPA300 09-08-09Low.met
Schedule File Name : ...\090908a.sch
Date Time Collected : 9/8/09 19:18:25

Calibration Date : 10/7/09 16:02:42
System Operator : pd
Injection Number : 27

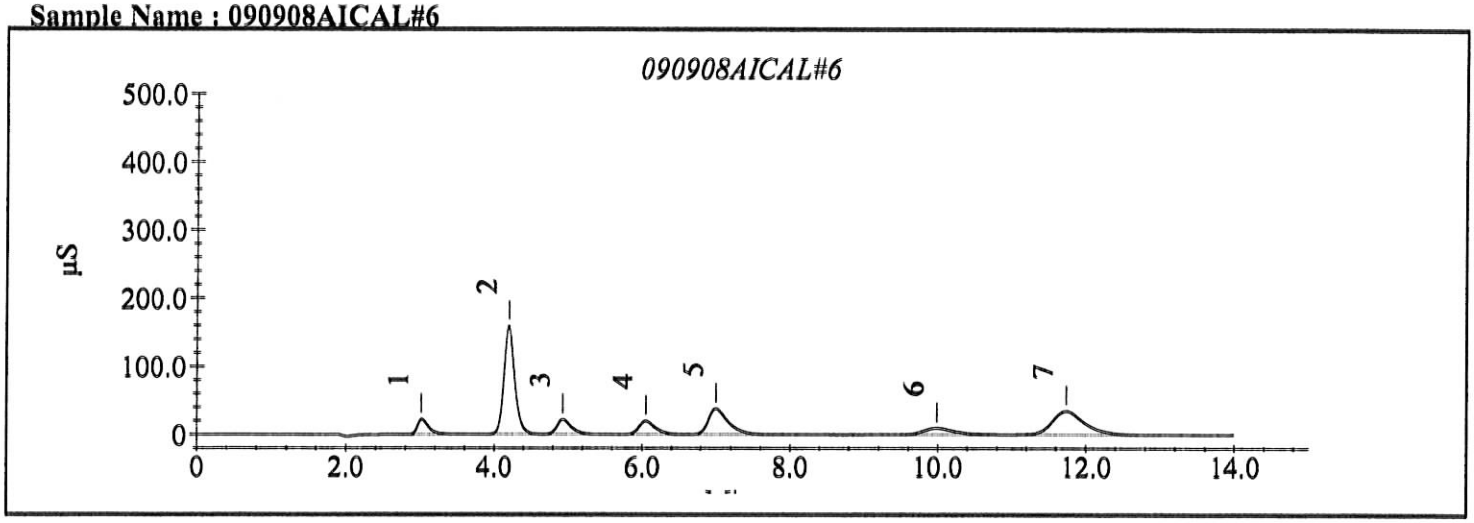
Peak Information : All Components

Peak #	Retention Time	Component Name	Cal Response (Previous)	Cal Response (Measured)	Cal Response (New)
1	3.01	fluoride	2309204	2309204	2309204
2	4.20	chloride	16243201	16243201	16243201
3	4.93	nitrite-n	2948542	2948542	2948542
4	6.05	bromide	3003978	3003978	3003978
5	7.00	nitrate-n	6978892	6978892	6978892
6	9.99	phosphate-p	2855227	2855227	2855227
7	11.73	sulfate	10561080	10561080	10561080

Peak Information : All Components

Peak #	Retention Time	Component Name	Amount (mg/L)	Peak Area	Peak Height	Limit Exceeded
1	3.01	fluoride	2.50	2309204	218785	
2	4.20	chloride	25.00	16243201	1589057	
3	4.93	nitrite-n	2.50	2948542	219699	
4	6.05	bromide	12.50	3003978	196981	
5	7.00	nitrate-n	5.00	6978892	378883	
6	9.99	phosphate-p	5.00	2855227	96405	
7	11.73	sulfate	25.00	10561080	346627	

Sample Name : 090908AICAL#6



Calibration Update Report

Sample Name : 090908AICAL#7
Data File Name : I:\dionex\d1anions\data\090908a\090908a_029.DXD

Method File Name : ...\EPA300 09-08-09Low.met
Schedule File Name : ...\090908a.sch
Date Time Collected : 9/8/09 19:51:49

Calibration Date : 10/7/09 16:03:01
System Operator : pd
Injection Number : 29

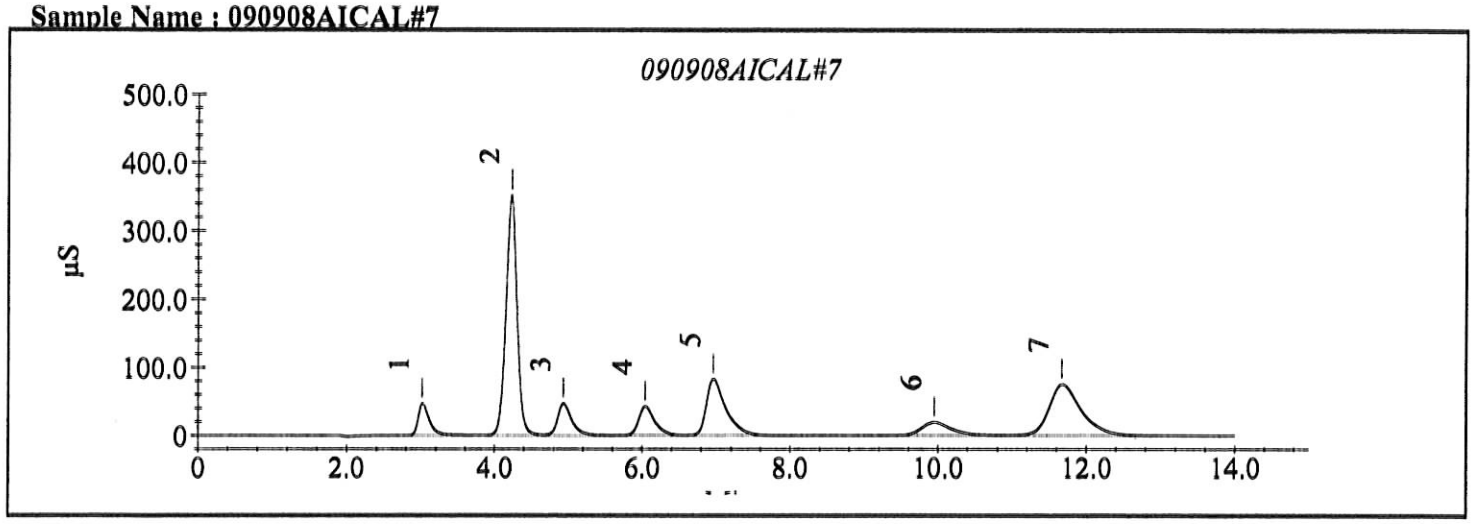
Peak Information : All Components

Peak #	Retention Time	Component Name	Cal Response (Previous)	Cal Response (Measured)	Cal Response (New)
1	3.01	fluoride	4998179	4998179	4998179
2	4.23	chloride	36391458	36391458	36391458
3	4.93	nitrite-n	6316140	6316140	6316140
4	6.04	bromide	6433776	6433776	6433776
5	6.96	nitrate-n	15166497	15166497	15166497
6	9.95	phosphate-p	5509121	5509121	5509121
7	11.67	sulfate	22604372	22604372	22604372

Peak Information : All Components

Peak #	Retention Time	Component Name	Amount (mg/L)	Peak Area	Peak Height	Limit Exceeded
1	3.01	fluoride	5.00	4998179	463194	
2	4.23	chloride	50.00	36391458	3514825	
3	4.93	nitrite-n	5.00	6316140	467742	
4	6.04	bromide	25.00	6433776	426066	
5	6.96	nitrate-n	10.00	15166497	826843	
6	9.95	phosphate-p	10.00	5509121	193651	
7	11.67	sulfate	50.00	22604372	749919	

Sample Name : 090908AICAL#7



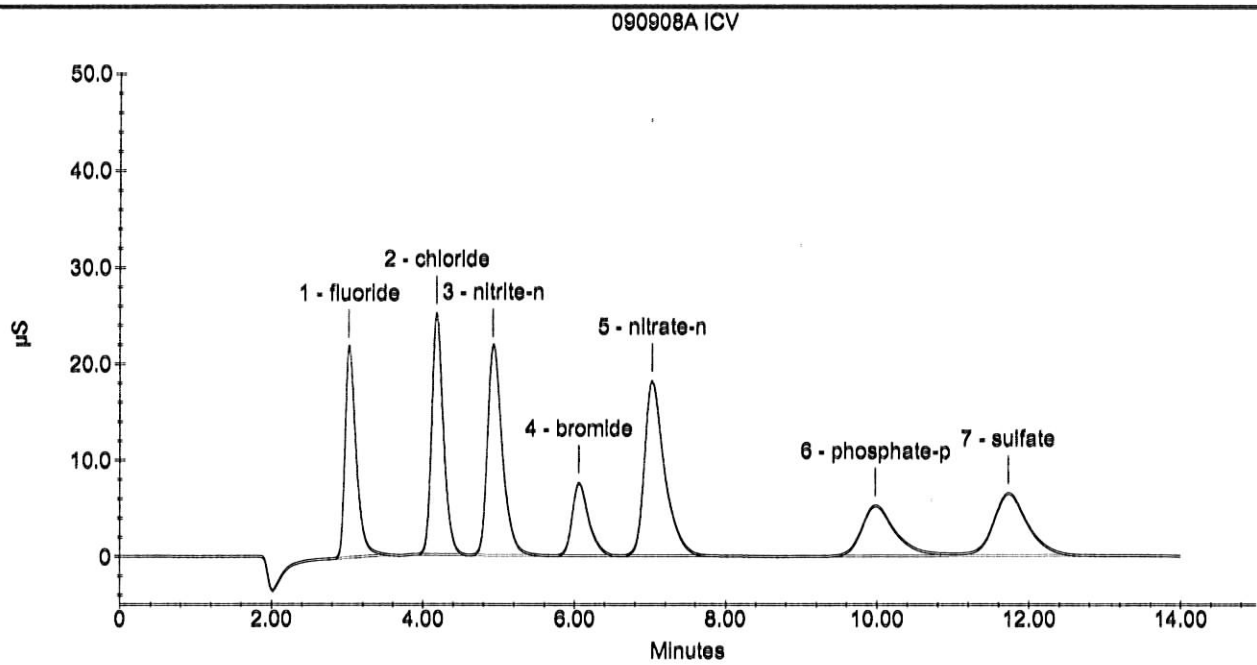
Sample Analysis Report

Sample Name : 090908A ICV
Data File Name : i:\dionex\d1anions\data\090908a\090908a_030.DXD

Method File Name : I:\DIONEX\D1ANIONS\METHODS\EPA300 09-08-09Low.met
Date Time Collected : 9/8/09 8:08:37 PM
System Operator : pd
Injection Number : 30
Multiplier : 1.00

Peak Information : All Peaks

Peak Number	Peak Retention Time	Component Name	Component Amount (mg/L)	Peak Area	Peak Height	Limit Exceed
1	3.01	fluoride	2.305	2229881	217002	
2	4.17	chloride	4.745	2671377	249282	
3	4.92	nitrite-n	2.377	2926213	215883	
4	6.05	bromide	4.739	1146877	74601	
5	7.03	nitrate-n	2.341	3342766	180330	
6	9.97	phosphate-p	2.748	1577178	51802	
7	11.72	sulfate	5.080	2027657	64075	



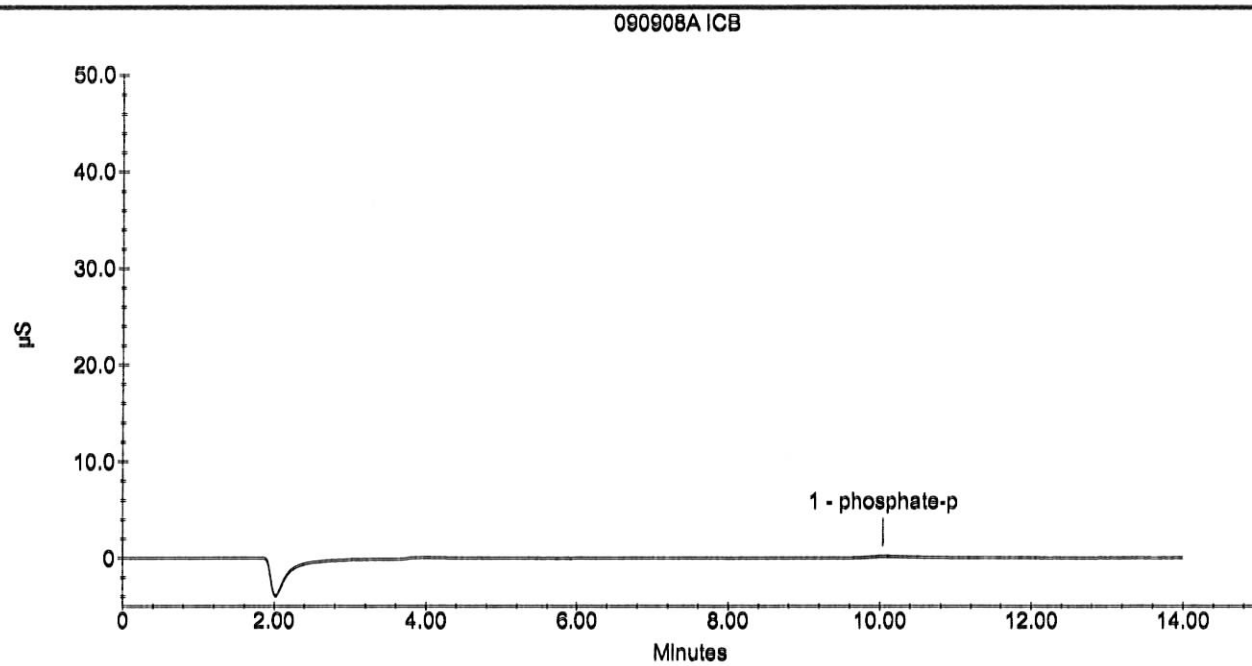
Sample Analysis Report

Sample Name : 090908A ICB
Data File Name : i:\dionex\d1anions\data\090908a\090908a_031.DXD

Method File Name : I:\DIONEX\D1ANIONS\METHODS\EPA300 09-08-09Low.met
Date Time Collected : 9/8/09 8:25:24 PM
System Operator : pd
Injection Number : 31
Multiplier : 1.00

Peak Information : All Peaks

Peak Number	Peak Retention Time	Component Name	Component Amount (mg/L)	Peak Area	Peak Height	Limit Exceed
1	10.04	phosphate-p	-0.086	21942	1103	-



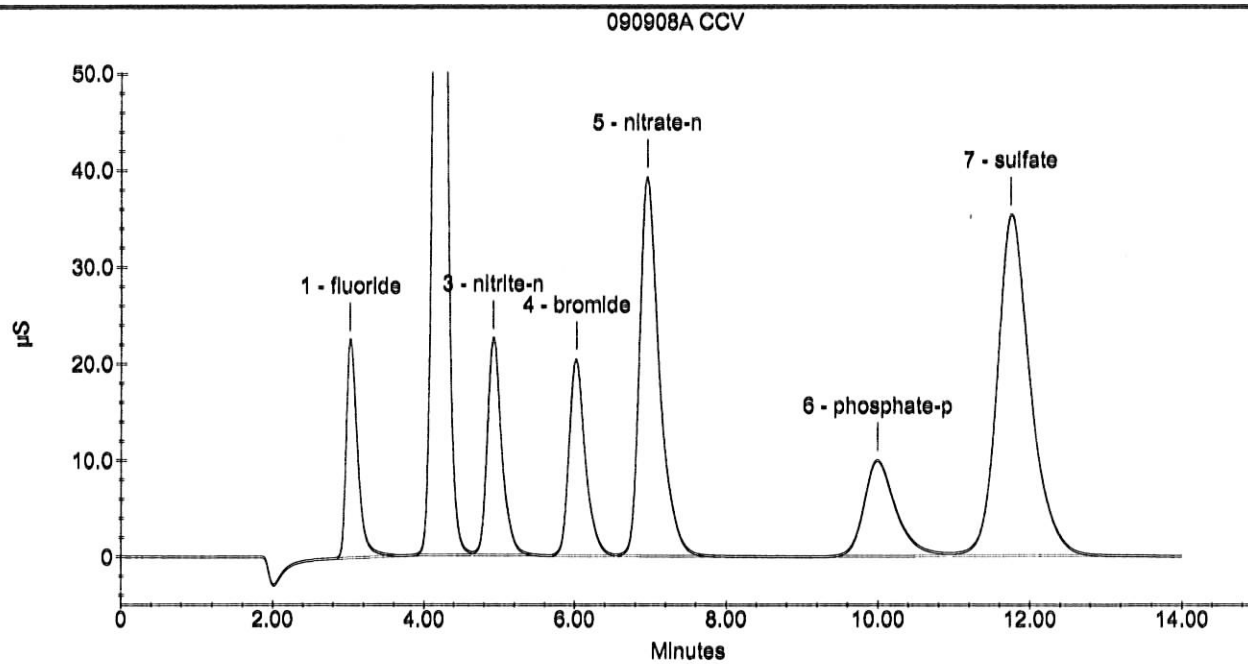
Sample Analysis Report

Sample Name : 090908A CCV
Data File Name : i:\dionex\d1anions\data\090908a\090908a_033.DXD

Method File Name : I:\DIONEX\D1ANIONS\METHODS\EPA300 09-08-09Low.met
Date Time Collected : 9/8/09 8:58:48 PM
System Operator : pd
Injection Number : 33
Multiplier : 1.00

Peak Information : All Peaks

Peak Number	Peak Retention Time	Component Name	Component Amount (mg/L)	Peak Area	Peak Height	Limit Exceed
1	3.01	fluoride	2.408	2333418	224528	
2	4.19	chloride	23.598	16443979	1628793	
3	4.91	nitrite-n	2.402	2958365	223777	
4	6.01	bromide	12.073	3034050	202619	
5	6.95	nitrate-n	4.797	7066585	391098	
6	9.99	phosphate-p	5.109	2872987	98653	
7	11.73	sulfate	24.187	10670531	351910	



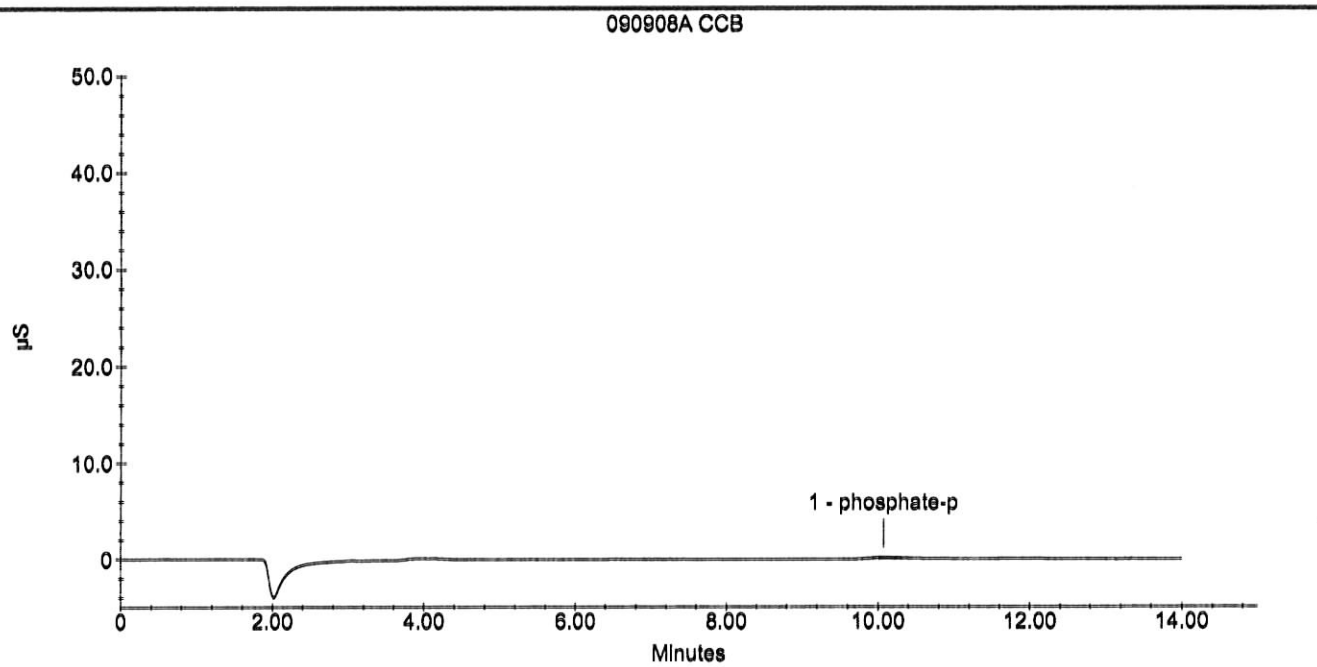
Sample Analysis Report

Sample Name : 090908A CCB
Data File Name : i:\dionex\d1anions\data\090908a\090908a_034.DXD

Method File Name : I:\DIONEX\D1ANIONS\METHODS\EPA300 09-08-09Low.met
Date Time Collected : 9/8/09 9:15:37 PM
System Operator : pd
Injection Number : 34
Multiplier : 1.00

Peak Information : All Peaks

Peak Number	Peak Retention Time	Component Name	Component Amount (mg/L)	Peak Area	Peak Height	Limit Exceed
1	10.07	phosphate-p	-0.062	34999	1461	-



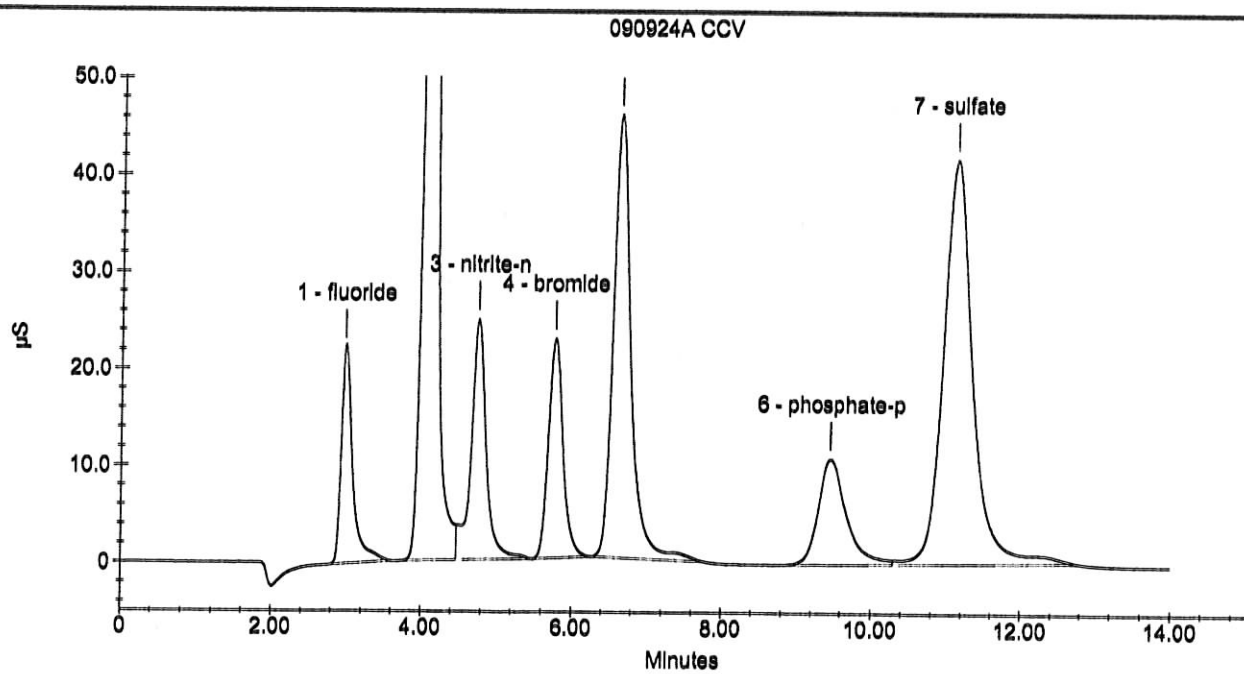
Sample Analysis Report

Sample Name : 090924A CCV
Data File Name : I:\DIONEX\D1ANIONS\DATA\090924A\090924A_002.DXD

Method File Name : I:\DIONEX\D1ANIONS\METHODS\EPA300 09-08-09Low.met
Date Time Collected : 9/24/09 08:55:00
System Operator : pd
Injection Number : 2
Multiplier : 1.00

Peak Information : All Peaks

Peak Number	Peak Retention Time	Component Name	Component Amount (mg/L)	Peak Area	Peak Height	Limit Exceed
1	2.97	fluoride	2.4353	2360398	222078	
2	4.07	chloride	24.9073	17400767	1752536	
3	4.75	nitrite-n	2.6579	3281338	247251	
4	5.76	bromide	11.8702	2981912	225515	
5	6.61	nitrate-n	5.0697	7480595	455341	
6	9.45	phosphate-p	5.0883	2861641	108329	
7	11.11	sulfate	26.1551	11561032	416122	



APPL, Inc.

Current Date : 9/25/09
Current Time : 09:15:21

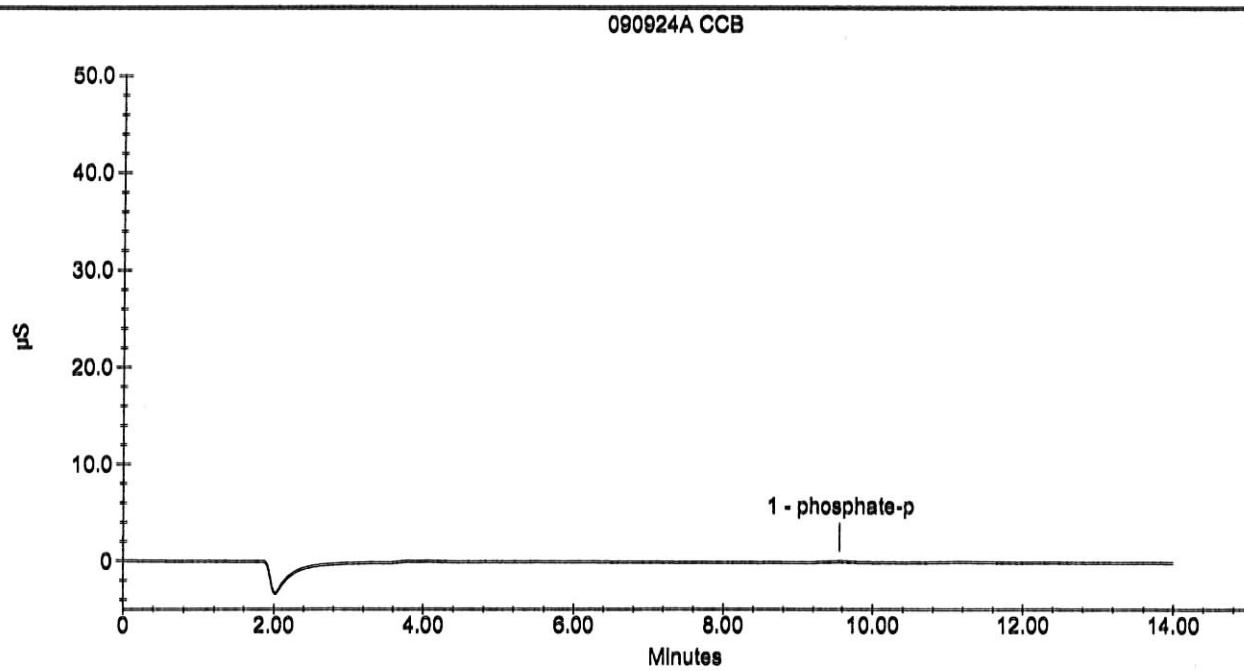
Sample Analysis Report

Sample Name : 090924A CCB
Data File Name : i:\dionex\d1anions\data\090924a\090924a_003.DXD

Method File Name : I:\DIONEX\D1ANIONS\METHODS\EPA300 09-08-09Low.met
Date Time Collected : 9/24/09 09:11:49
System Operator : pd
Injection Number : 3
Multiplier : 1.00

Peak Information : All Peaks

Peak Number	Peak Retention Time	Component Name	Component Amount (mg/L)	Peak Area	Peak Height	Limit Exceed
1	9.56	phosphate-p	-0.1053	11137	695	-



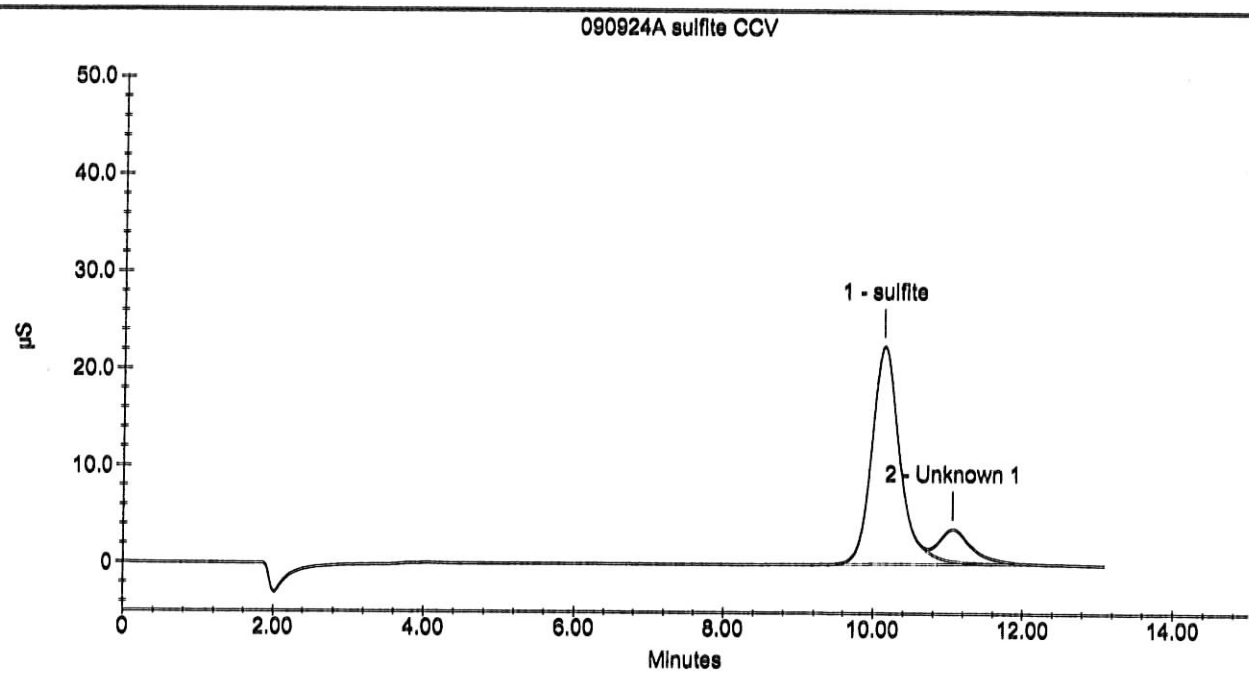
Sample Analysis Report

Sample Name : 090924A sulfite CCV
Data File Name : i:\dionex\d1anions\data\090924a\090924a_013.DXD

Method File Name : i:\dionex\d1anions\methods\epasufite 08-25-09low.met
Date Time Collected : 9/24/09 11:58:57
System Operator : pd
Injection Number : 13
Multiplier : 1.00

Peak Information : All Peaks

Peak Number	Peak Retention Time	Component Name	Component Amount (mg/L)	Peak Area	Peak Height	Limit Exceed
1	10.12	sulfite	24.3186	5915804	223214	
2	11.05	Unknown 1	0.0000	991519	32913	



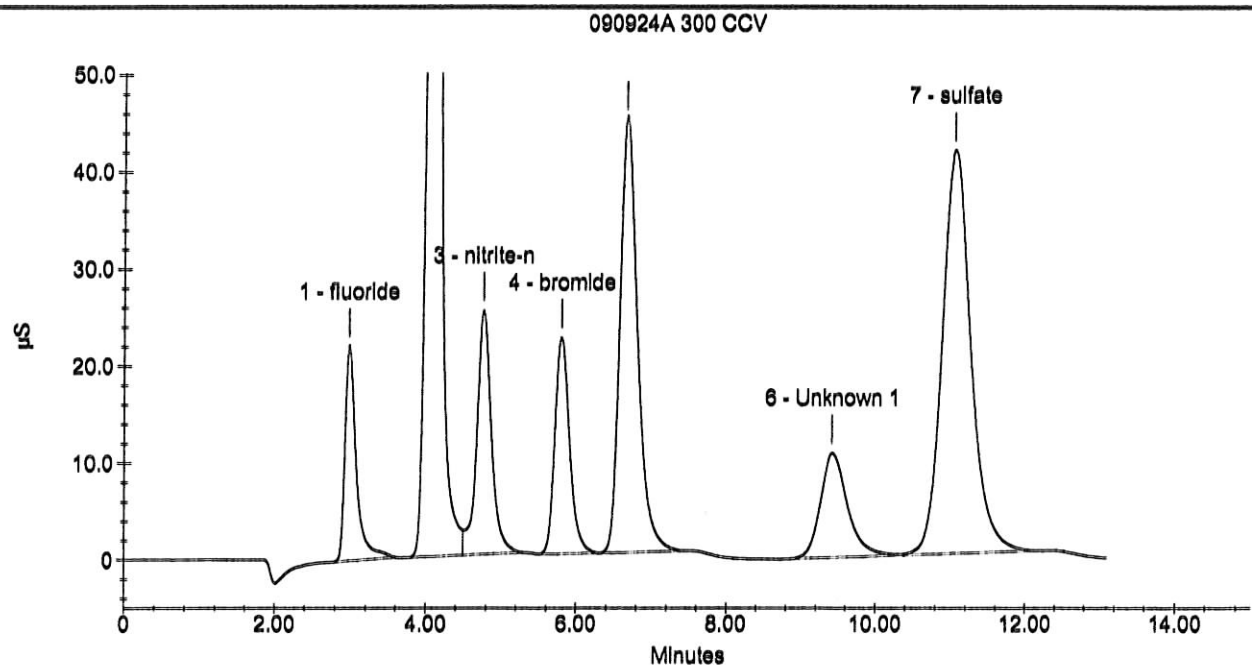
Sample Analysis Report

Sample Name : 090924A 300 CCV
Data File Name : i:\dionex\d1anions\data\090924a\090924a_015.DXD

Method File Name : i:\dionex\d1anions\methods\epa300 09-08-09low.met
Date Time Collected : 9/24/09 12:30:19
System Operator : pd
Injection Number : 15
Multiplier : 1.00

Peak Information : All Peaks

Peak Number	Peak Retention Time	Component Name	Component Amount (mg/L)	Peak Area	Peak Height	Limit Exceed
1	2.97	fluoride	2.4074	2332465	220286	
2	4.08	chloride	25.0810	17527616	1752198	
3	4.76	nitrite-n	2.7260	3367517	250572	
4	5.80	bromide	11.9881	3012251	222207	
5	6.65	nitrate-n	4.9332	7273659	445454	
6	9.41	Unknown 1	0.0000	2746936	107218	
7	11.04	sulfate	24.9741	11026783	414461	



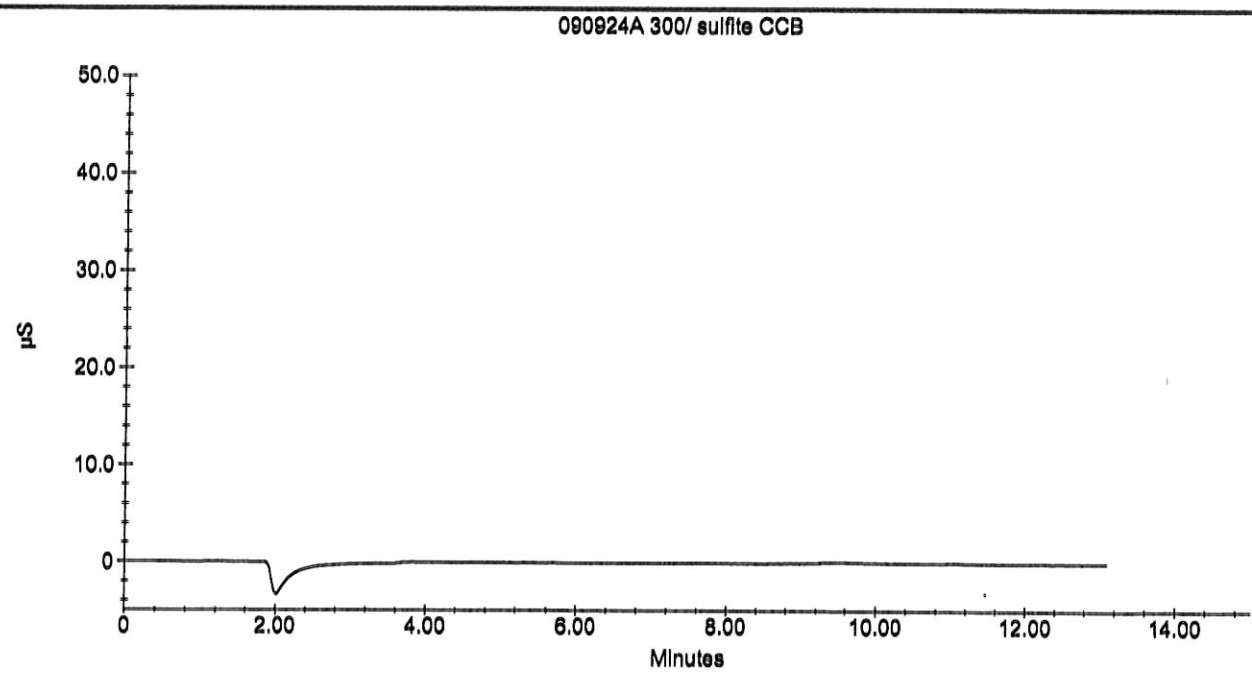
Sample Analysis Report

Sample Name : 090924A 300/ sulfite CCB
Data File Name : i:\dionex\d1anions\data\090924a\090924a_016.DXD

Method File Name : i:\dionex\d1anions\methods\epa300 09-08-09low.met
Date Time Collected : 9/24/09 12:46:12
System Operator : pd
Injection Number : 16
Multiplier : 1.00

Peak Information : All Peaks

Peak Number	Peak Retention Time	Component Name	Component Amount (mg/L)	Peak Area	Peak Height	Limit Exceed



APPL, Inc.

Current Date : 9/24/09
Current Time : 13:01:46

Sample Analysis Report

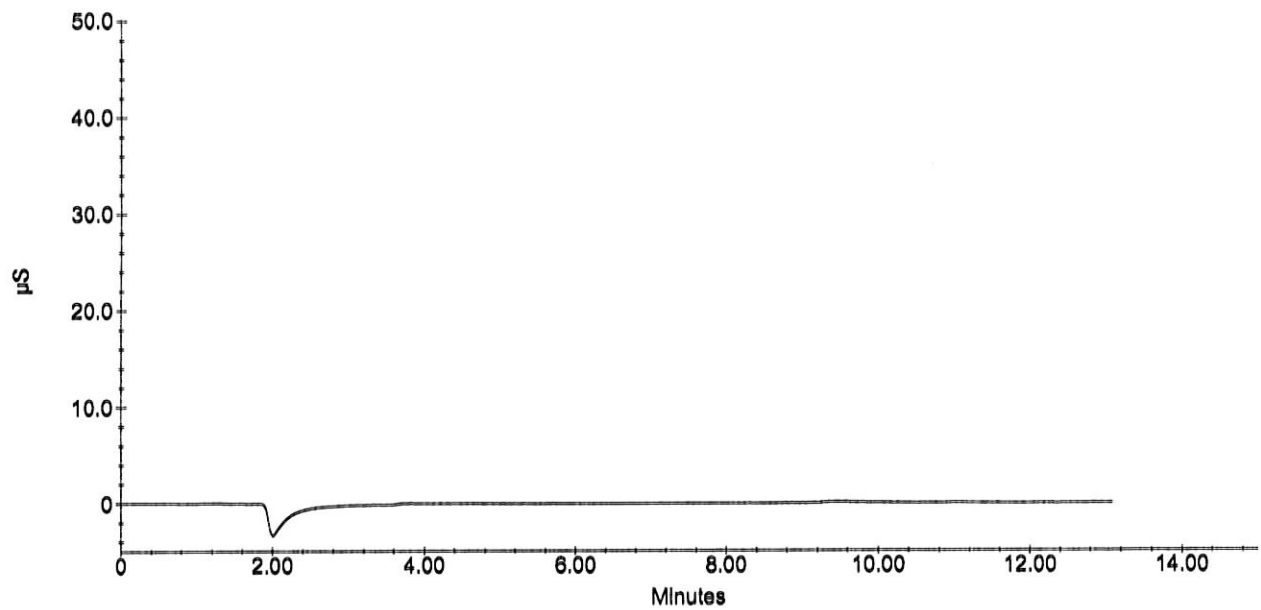
Sample Name : 090924A 300/ sulfite CCB
Data File Name : i:\dionex\d1anions\data\090924a\090924a_016.DXD

Method File Name : I:\DIONEX\D1ANIONS\METHODS\EPAsufite 08-25-09Low.met
Date Time Collected : 9/24/09 12:46:12 PM
System Operator : pd
Injection Number : 16
Multiplier : 1.00

Peak Information : All Peaks

Peak Number	Peak Retention Time	Component Name	Component Amount (mg/L)	Peak Area	Peak Height	Limit Exceed

090924A 300/ sulfite CCB



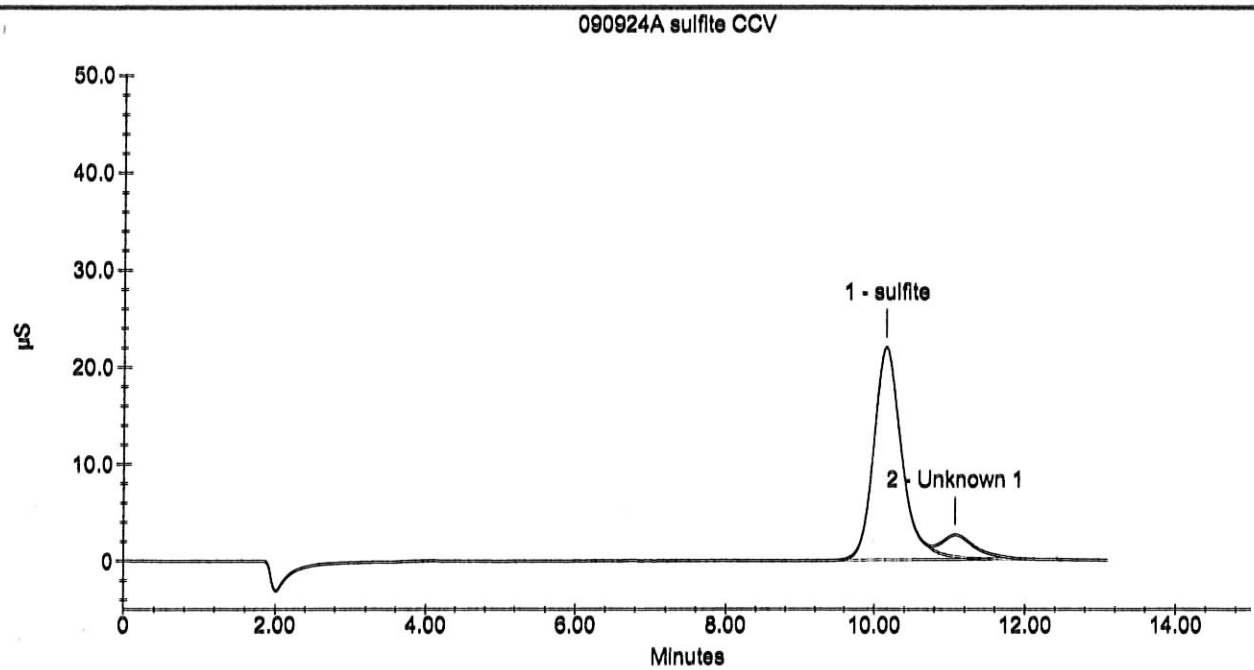
Sample Analysis Report

Sample Name : 090924A sulfite CCV
Data File Name : i:\dionex\d1anions\data\090924a\090924a_027.DXD

Method File Name : i:\dionex\d1anions\methods\epasufite 08-25-09low.met
Date Time Collected : 9/24/09 15:45:23
System Operator : pd
Injection Number : 27
Multiplier : 1.00

Peak Information : All Peaks

Peak Number	Peak Retention Time	Component Name	Component Amount (mg/L)	Peak Area	Peak Height	Limit Exceed
1	10.15	sulfite	23.5896	5738998	218645	
2	11.07	Unknown 1	0.0000	690403	22672	



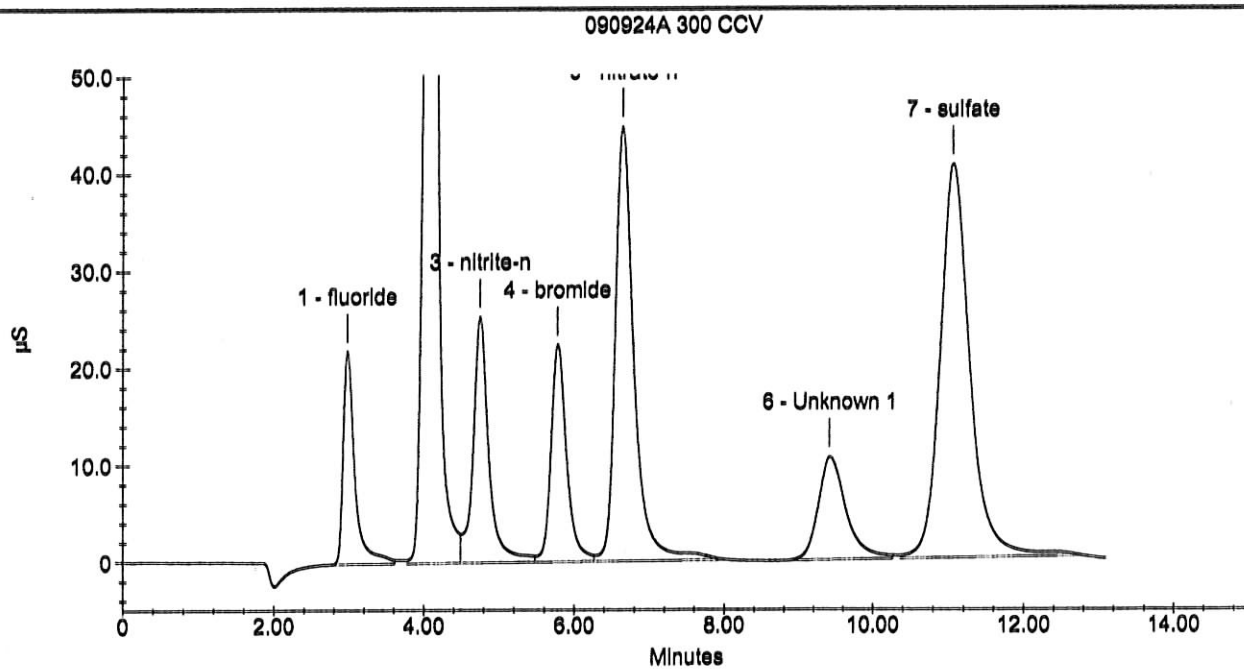
Sample Analysis Report

Sample Name : 090924A 300 CCV
Data File Name : I:\DIONEX\D1ANIONS\DATA\090924A\090924a_028.DXD

Method File Name : I:\DIONEX\D1ANIONS\METHODS\EPA300 09-08-09Low.met
Date Time Collected : 9/24/09 16:01:03
System Operator : pd
Injection Number : 28
Multiplier : 1.00

Peak Information : All Peaks

Peak Number	Peak Retention Time	Component Name	Component Amount (mg/L)	Peak Area	Peak Height	Limit Exceed
1	2.97	fluoride	2.4527	2377897	218711	
2	4.07	chloride	24.7634	17295659	1704331	
3	4.75	nitrite-n	2.9725	3679246	252865	
4	5.77	bromide	12.8345	3230066	223110	
5	6.64	nitrate-n	5.2400	7738841	446953	
6	9.41	Unknown 1	0.0000	2782988	105700	
7	11.05	sulfate	25.3002	11174318	404677	



Sample Analysis Report

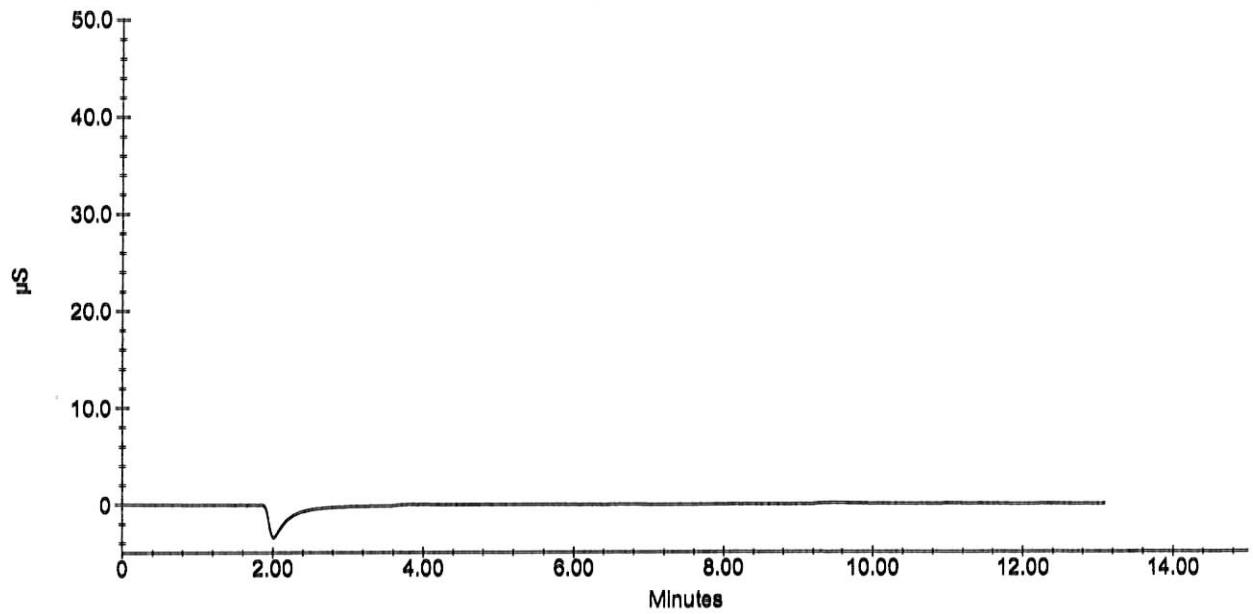
Sample Name : 090924A 300/ sulfite CCB
Data File Name : i:\dionex\d1anions\data\090924a\090924a_029.DXD

Method File Name : I:\DIONEX\D1ANIONS\METHODS\EPA300 09-08-09Low.met
Date Time Collected : 9/24/09 16:16:54
System Operator : pd
Injection Number : 29
Multiplier : 1.00

Peak Information : All Peaks

Peak Number	Peak Retention Time	Component Name	Component Amount (mg/L)	Peak Area	Peak Height	Limit Exceed

090924A 300/ sulfite CCB



Sample Analysis Report

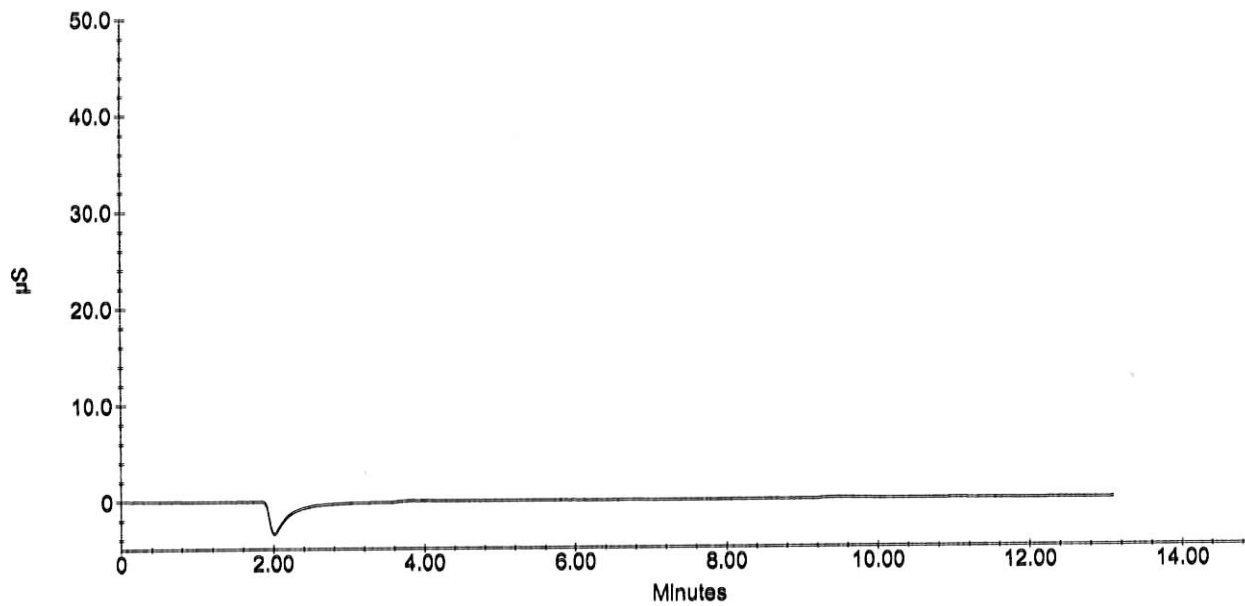
Sample Name : 090924A 300/ sulfite CCB
Data File Name : i:\dionex\d1anions\data\090924a\090924a_029.DXD

Method File Name : I:\DIONEX\D1ANIONS\METHODS\EPAsufite 08-25-09Low.met
Date Time Collected : 9/24/09 4:16:54 PM
System Operator : pd
Injection Number : 29
Multiplier : 1.00

Peak Information : All Peaks

Peak Number	Peak Retention Time	Component Name	Component Amount (mg/L)	Peak Area	Peak Height	Limit Exceed

090924A 300/ sulfite CCB



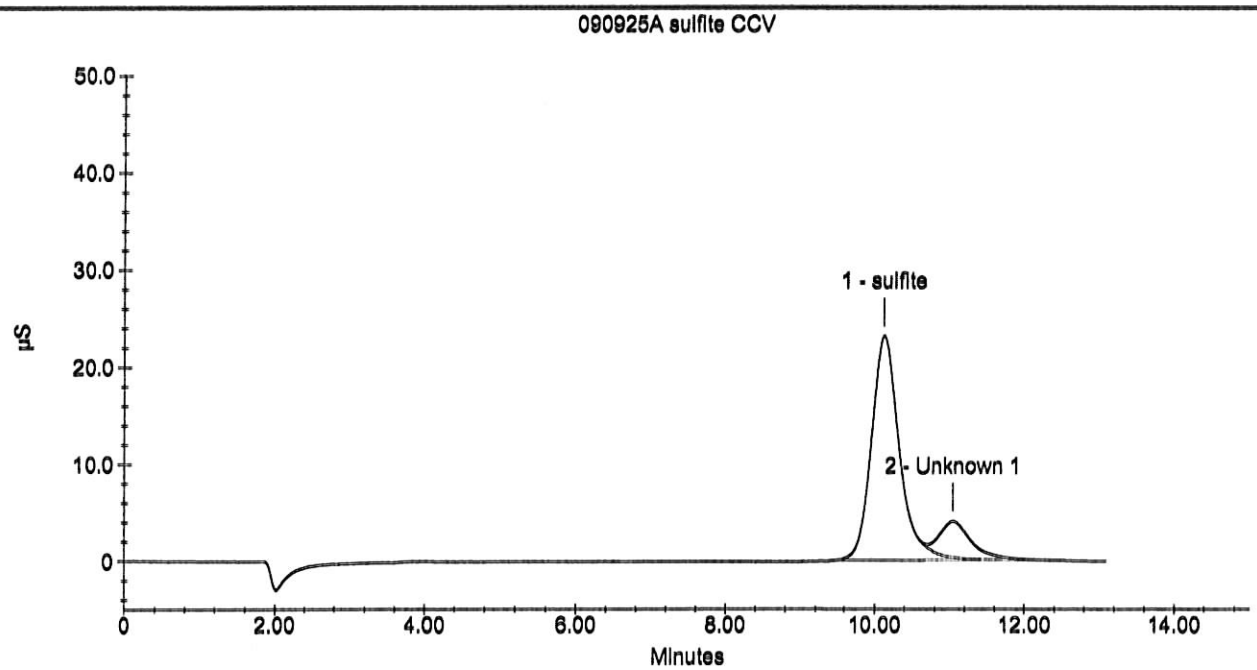
Sample Analysis Report

Sample Name : 090925A sulfite CCV
Data File Name : i:\dionex\d1anions\data\090925a\090925a_002.DXD

Method File Name : i:\dionex\d1anions\methods\epasufite 08-25-09low.met
Date Time Collected : 9/25/09 08:12:23
System Operator : pd
Injection Number : 2
Multiplier : 1.00

Peak Information : All Peaks

Peak Number	Peak Retention Time	Component Name	Component Amount (mg/L)	Peak Area	Peak Height	Limit Exceed
1	10.11	sulfite	24.7509	6020652	230021	
2	11.04	Unknown 1	0.0000	1100211	37229	



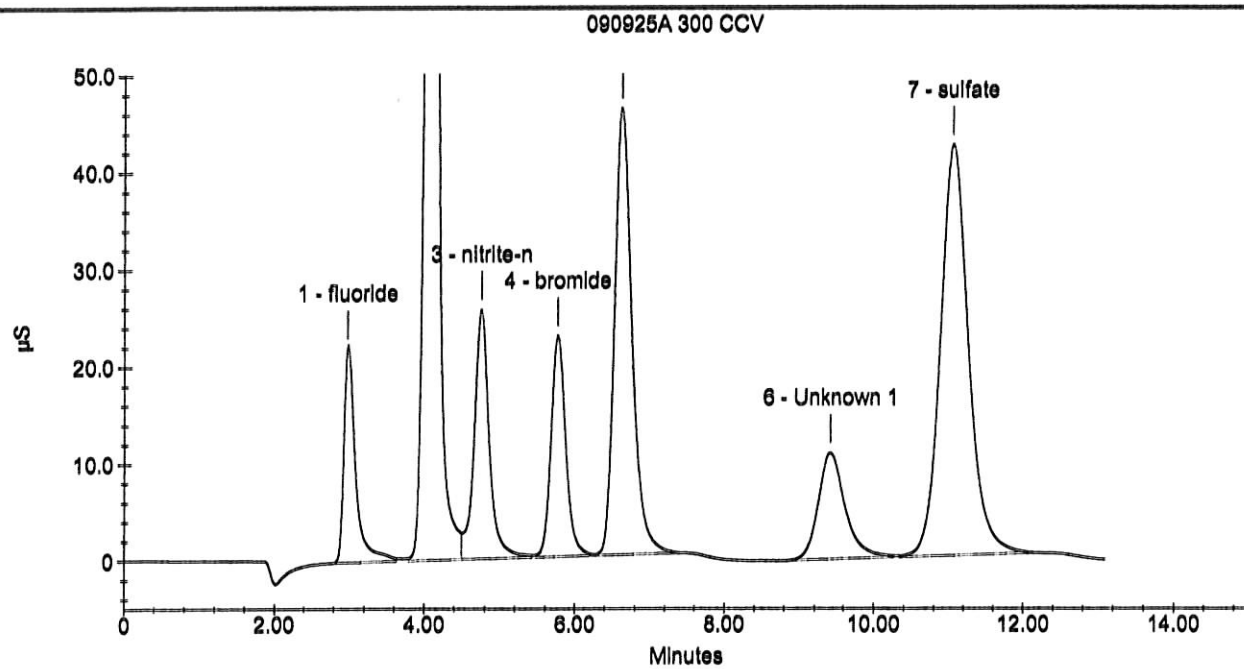
Sample Analysis Report

Sample Name : 090925A 300 CCV
Data File Name : i:\dionex\d1anions\data\090925a\090925a_004.DXD

Method File Name : i:\dionex\d1anions\methods\epa300 09-08-09low.met
Date Time Collected : 9/25/09 08:43:45
System Operator : pd
Injection Number : 4
Multiplier : 1.00

Peak Information : All Peaks

Peak Number	Peak Retention Time	Component Name	Component Amount (mg/L)	Peak Area	Peak Height	Limit Exceed
1	2.97	fluoride	2.5173	2442754	220312	
2	4.07	chloride	25.2680	17664232	1750491	
3	4.75	nitrite-n	2.8472	3520704	256492	
4	5.76	bromide	12.3081	3094584	227156	
5	6.61	nitrate-n	4.9877	7356303	459464	
6	9.41	Unknown 1	0.0000	2783782	109511	
7	11.04	sulfate	25.1801	11119991	422045	



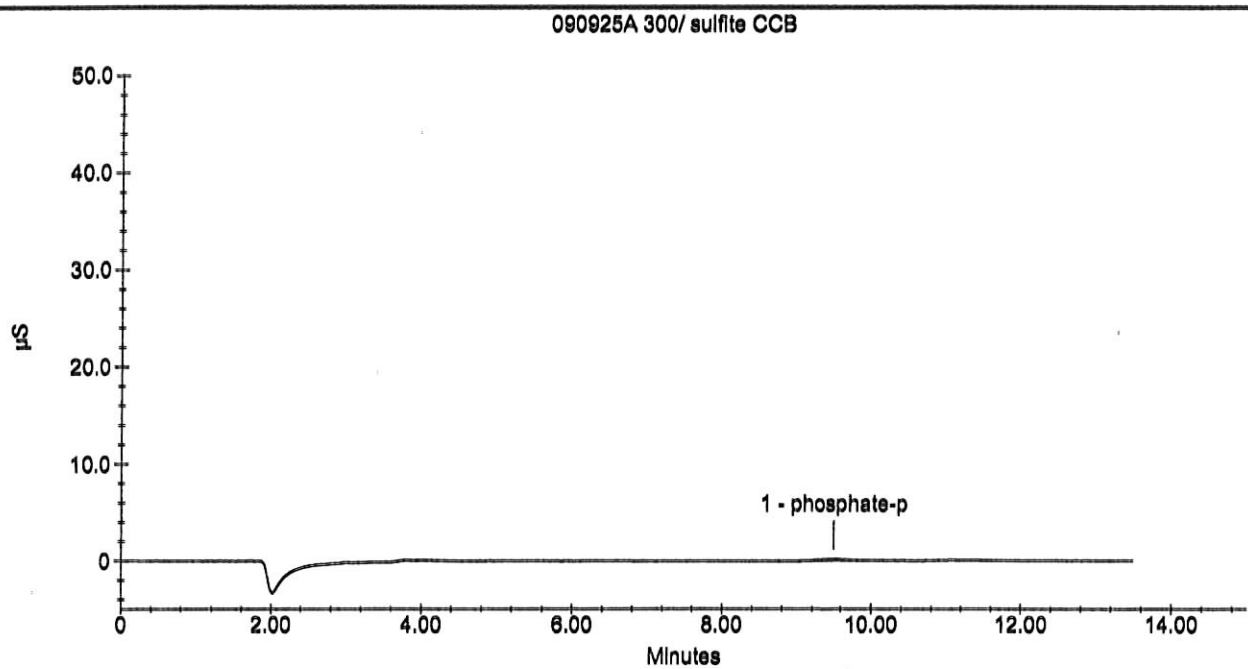
Sample Analysis Report

Sample Name : 090925A 300/ sulfite CCB
Data File Name : i:\dionex\d1anions\data\090925a\090925a_007.DXD

Method File Name : i:\dionex\d1anions\methods\epa300 09-08-09low.met
Date Time Collected : 9/25/09 09:32:32
System Operator : pd
Injection Number : 7
Multiplier : 1.00

Peak Information : All Peaks

Peak Number	Peak Retention Time	Component Name	Component Amount (mg/L)	Peak Area	Peak Height	Limit Exceed
1	9.49	phosphate-p	-0.0642	33664	1524	-



Sample Analysis Report

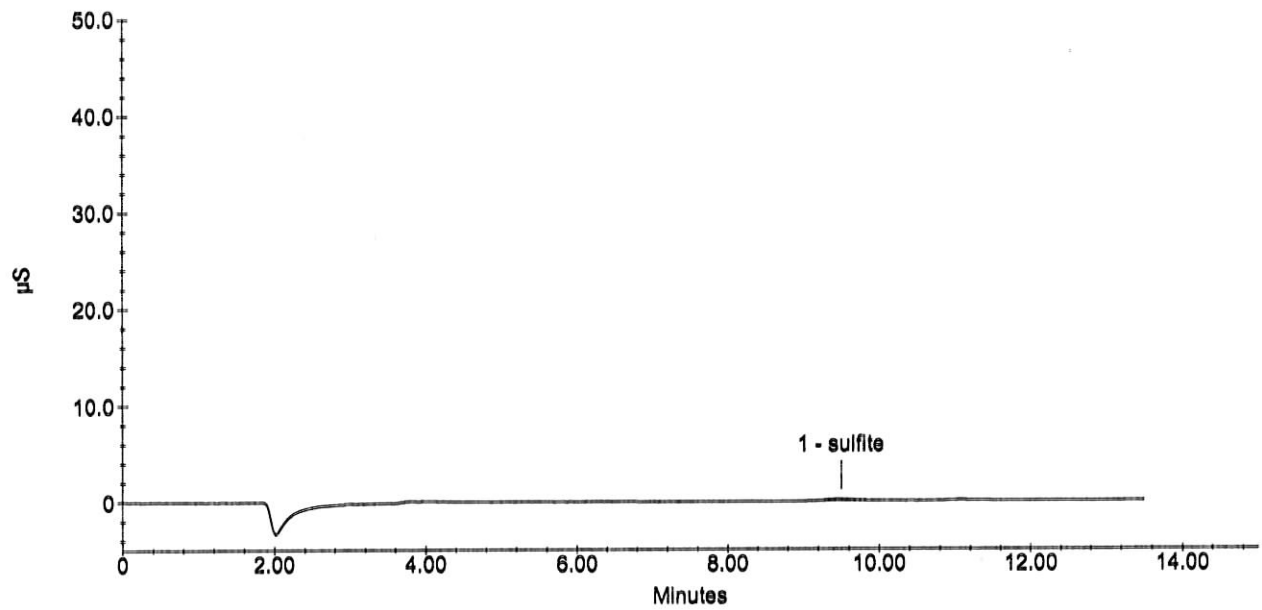
Sample Name : 090925A 300/ SULFITE CCB
Data File Name : I:\Dionex\D1Anions\data\090925a\090925a_007.DXD

Method File Name : I:\DIONEX\D1ANIONS\METHODS\EPAsufite 08-25-09Low.met
Date Time Collected : 9/25/09 9:32:32 AM
System Operator : pd
Injection Number : 7
Multiplier : 1.00

Peak Information : All Peaks

Peak Number	Peak Retention Time	Component Name	Component Amount (mg/L)	Peak Area	Peak Height	Limit Exceed
1	9.49	sulfite	0.066	33664	1524	-

090925A 300/ SULFITE CCB



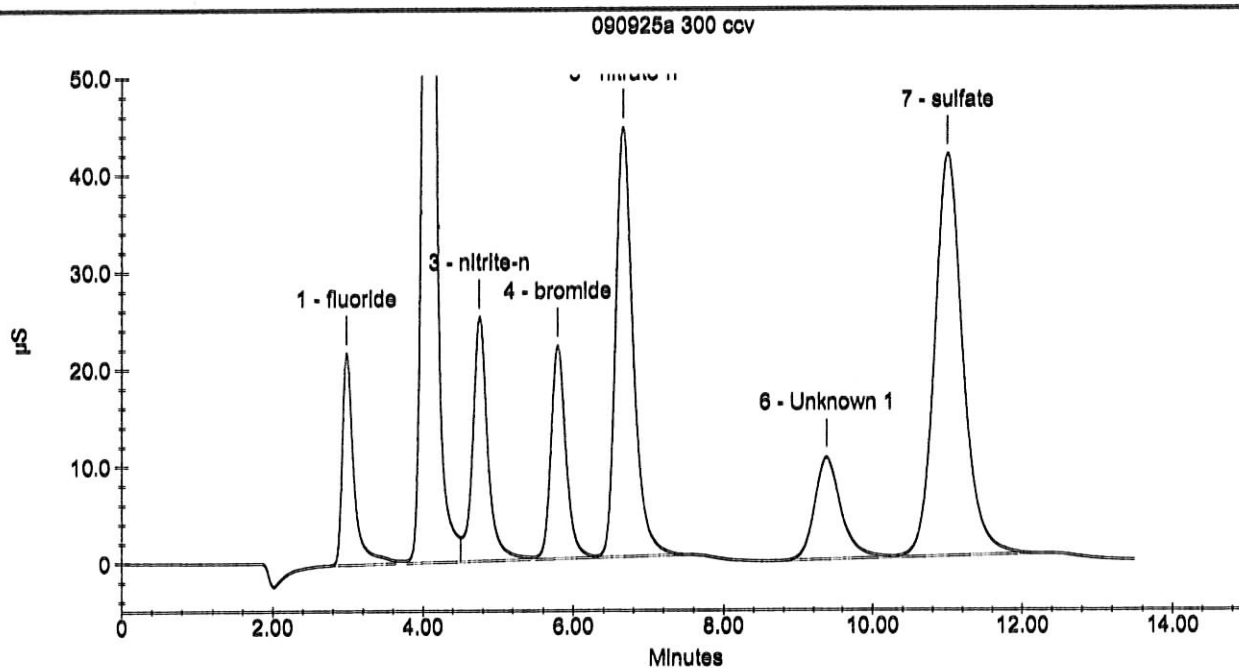
Sample Analysis Report

Sample Name : 090925a 300 ccv
Data File Name : i:\dionex\d1anions\data\090925a\090925a_019.DXD

Method File Name : I:\DIONEX\D1ANIONS\METHODS\EPA300 09-08-09Low.met
Date Time Collected : 9/25/09 12:45:52
System Operator : pd
Injection Number : 19
Multiplier : 1.00

Peak Information : All Peaks

Peak Number	Peak Retention Time	Component Name	Component Amount (mg/L)	Peak Area	Peak Height	Limit Exceed
1	2.97	fluoride	2.4475	2372647	217251	
2	4.07	chloride	24.6570	17217914	1682929	
3	4.75	nitrite-n	2.8084	3471660	250313	
4	5.79	bromide	12.0863	3037513	218933	
5	6.65	nitrate-n	4.8818	7195624	441172	
6	9.37	Unknown 1	0.0000	2678263	104946	
7	10.99	sulfate	24.7329	10917689	412294	



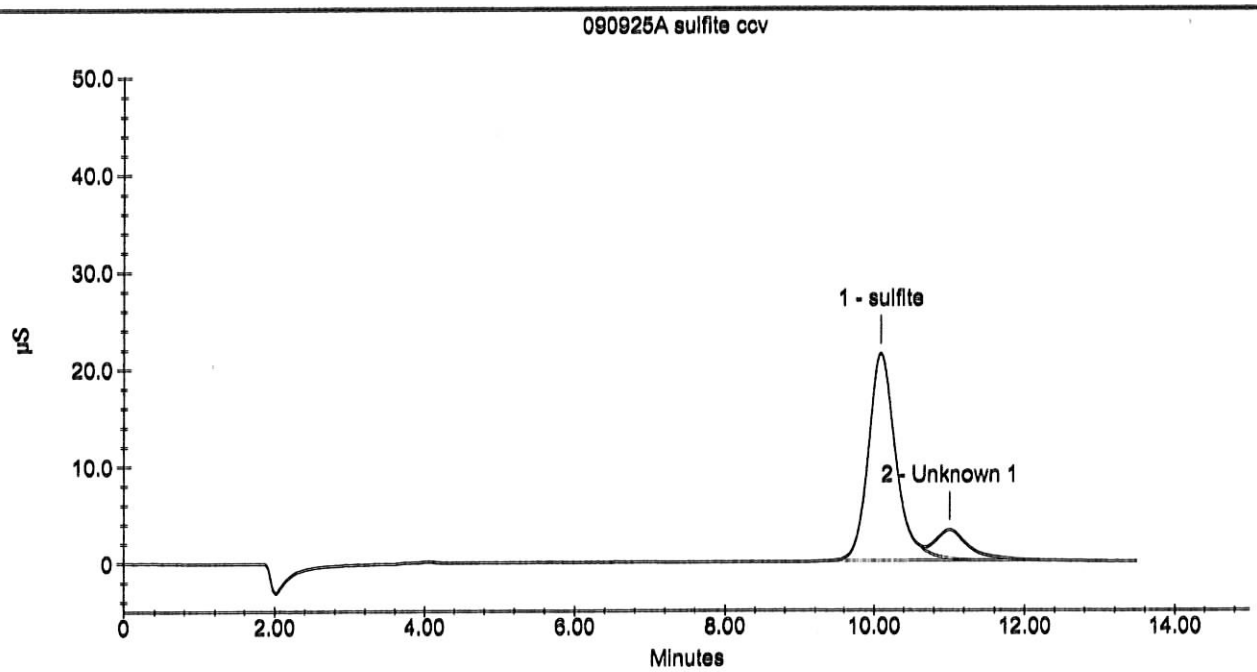
Sample Analysis Report

Sample Name : 090925A sulfite ccv
Data File Name : i:\dionex\d1anions\data\090925a\090925a_020.DXD

Method File Name : I:\DIONEX\D1ANIONS\METHODS\EPAsufite 08-25-09Low.met
Date Time Collected : 9/25/09 13:02:09
System Operator : pd
Injection Number : 20
Multiplier : 1.00

Peak Information : All Peaks

Peak Number	Peak Retention Time	Component Name	Component Amount (mg/L)	Peak Area	Peak Height	Limit Exceed
1	10.08	sulfite	22.6674	5515327	212886	
2	11.00	Unknown 1	0.0000	896488	29503	



Sample Analysis Report

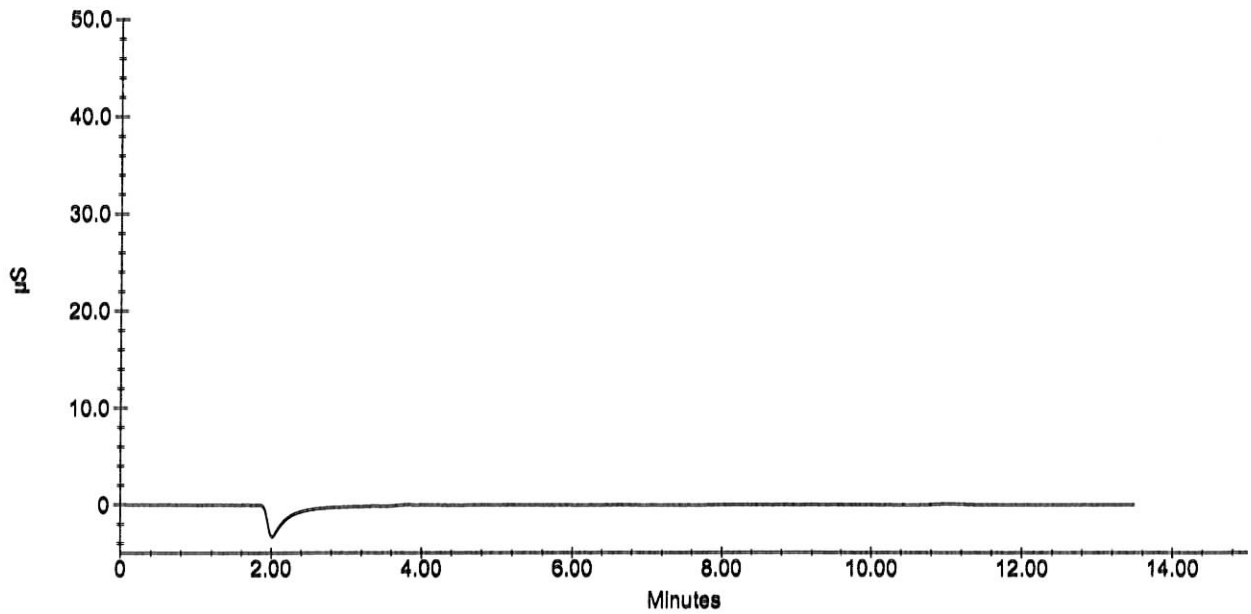
Sample Name : 090925A 300/ sulfite CCB
Data File Name : i:\dionex\d1anions\data\090925a\090925a_021.DXD

Method File Name : I:\DIONEX\D1ANIONS\METHODS\EPA300 09-08-09Low.met
Date Time Collected : 9/25/09 13:18:15
System Operator : pd
Injection Number : 21
Multiplier : 1.00

Peak Information : All Peaks

Peak Number	Peak Retention Time	Component Name	Component Amount (mg/L)	Peak Area	Peak Height	Limit Exceed

090925A 300/ sulfite CCB



Sample Analysis Report

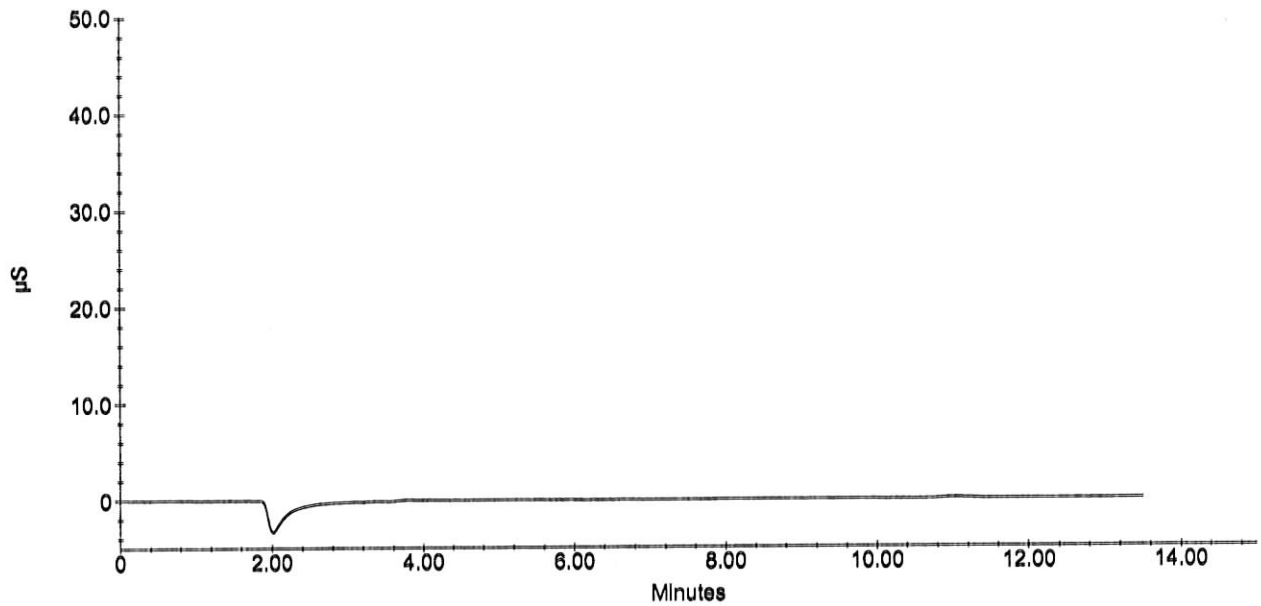
Sample Name : 090925A 300/ sulfite CCB
Data File Name : i:\dionex\d1anions\data\090925a\090925a_021.DXD

Method File Name : I:\DIONEX\D1ANIONS\METHODS\EPAsufite 08-25-09Low.met
Date Time Collected : 9/25/09 1:18:15 PM
System Operator : pd
Injection Number : 21
Multiplier : 1.00

Peak Information : All Peaks

Peak Number	Peak Retention Time	Component Name	Component Amount (mg/L)	Peak Area	Peak Height	Limit Exceed

090925A 300/ sulfite CCB



Calibration Update Report

Sample Name : 090928AICAL#1
Data File Name : I:\dionex\d1anions\data\090928a\090928a_009.DXD

Method File Name : ...\EPA300 09-28-09Low.met
Schedule File Name : ...\090928a.sch
Date Time Collected : 9/28/09 13:25:27

Calibration Date : 9/28/09 16:00:56
System Operator : pd
Injection Number : 9

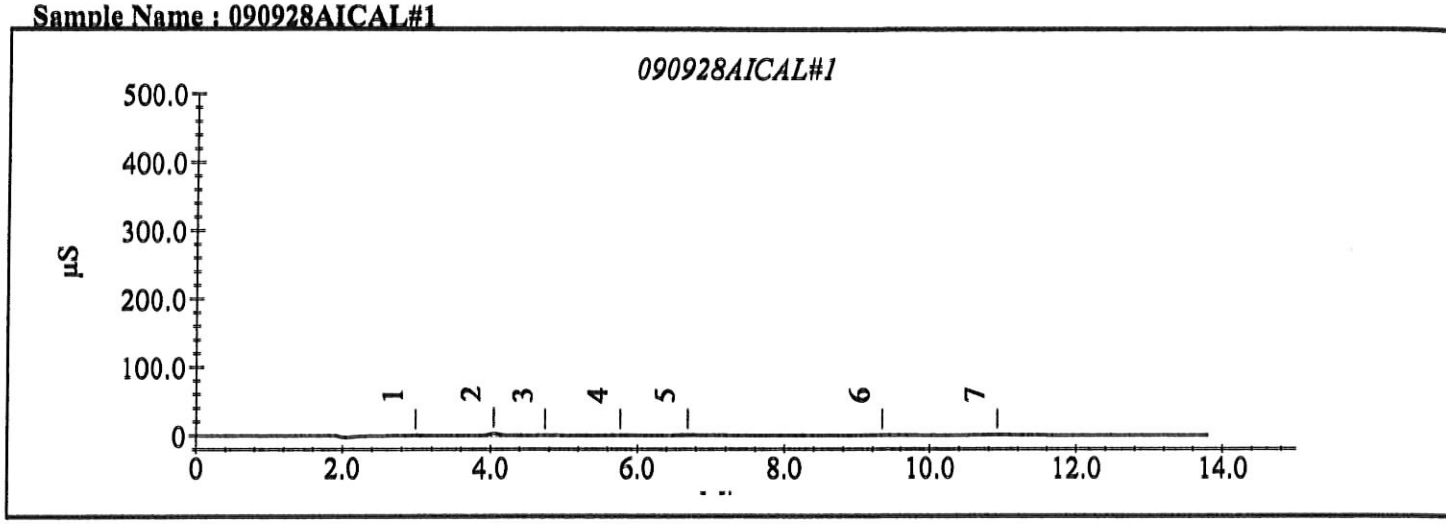
Peak Information : All Components

Peak #	Retention Time	Component Name	Cal Response (Previous)	Cal Response (Measured)	Cal Response (New)
1	2.99	fluoride	20480	20480	20480
2	4.04	chloride	284400	284400	284400
3	4.75	nitrite-n	38792	38792	38792
4	5.77	bromide	47912	47912	47912
5	6.69	nitrate-n	143859	143859	143859
6	9.33	phosphate-p	46203	46203	46203
7	10.92	sulfate	176822	176822	176822

Peak Information : All Components

Peak #	Retention Time	Component Name	Amount (mg/L)	Peak Area	Peak Height	Limit Exceeded
1	2.99	fluoride	0.05	20480	2910	-
2	4.04	chloride	0.50	284400	25260	-
3	4.75	nitrite-n	0.05	38792	3744	-
4	5.77	bromide	0.25	47912	3771	-
5	6.69	nitrate-n	0.10	143859	7755	-
6	9.33	phosphate-p	0.10	46203	2529	-
7	10.92	sulfate	0.50	176822	7395	-

Sample Name : 090928AICAL#1



Calibration Update Report

Sample Name : 090928AICAL#2
Data File Name : I:\DIONEX\D1ANIONS\DATA\090928A\090928A_010.DXD

Method File Name : ...\EPA300 09-28-09Low.met
Schedule File Name : ...\090928a.sch
Date Time Collected : 9/28/09 13:42:03

Calibration Date : 9/28/09 16:01:19
System Operator : pd
Injection Number : 10

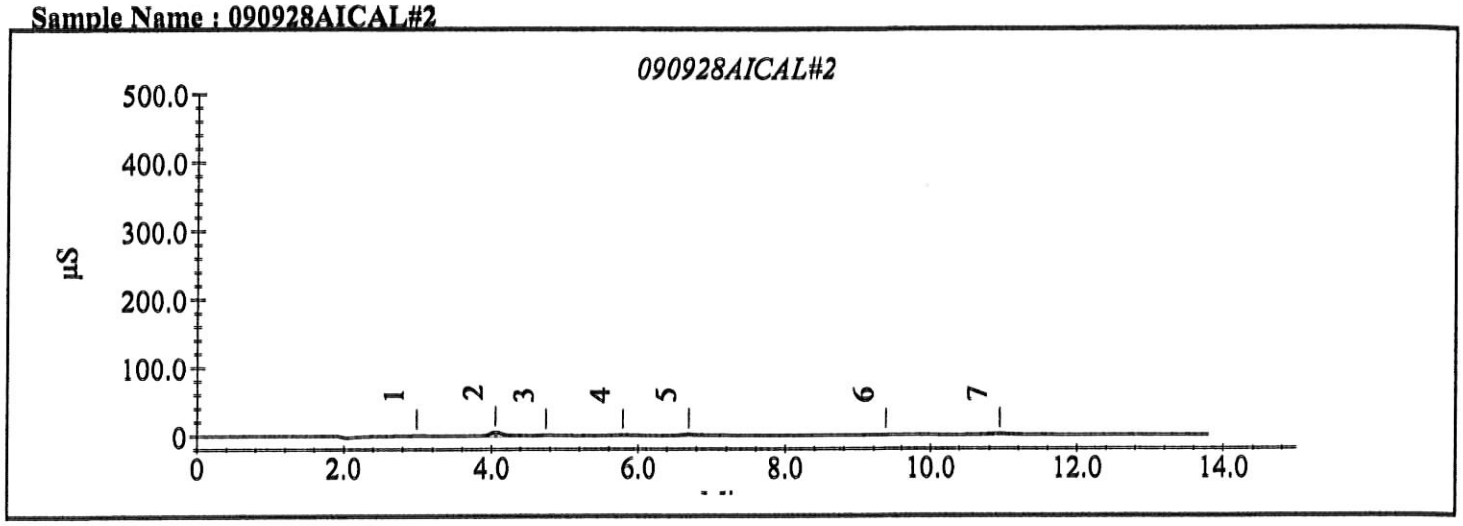
Peak Information : All Components

Peak #	Retention Time	Component Name	Cal Response (Previous)	Cal Response (Measured)	Cal Response (New)
1	2.99	fluoride	99753	99753	99753
2	4.05	chloride	622431	622431	622431
3	4.75	nitrite-n	87933	87933	87933
4	5.79	bromide	117894	117894	117894
5	6.69	nitrate-n	278624	278624	278624
6	9.37	phosphate-p	114825	114825	114825
7	10.95	sulfate	444510	444510	444510

Peak Information : All Components

Peak #	Retention Time	Component Name	Amount (mg/L)	Peak Area	Peak Height	Limit Exceeded
1	2.99	fluoride	0.10	99753	7798	
2	4.05	chloride	1.00	622431	52202	
3	4.75	nitrite-n	0.10	87933	7999	
4	5.79	bromide	0.50	117894	7870	
5	6.69	nitrate-n	0.20	278624	15615	
6	9.37	phosphate-p	0.20	114825	4568	
7	10.95	sulfate	1.00	444510	15489	

Sample Name : 090928AICAL#2



Calibration Update Report

Sample Name : 090928AICAL#3
Data File Name : I:\dionex\d1anions\data\090928a\090928a_011.DXD

Method File Name : ...\EPA300 09-28-09Low.met
Schedule File Name : ...\090928a.sch
Date Time Collected : 9/28/09 13:58:40

Calibration Date : 9/28/09 16:01:37
System Operator : pd
Injection Number : 11

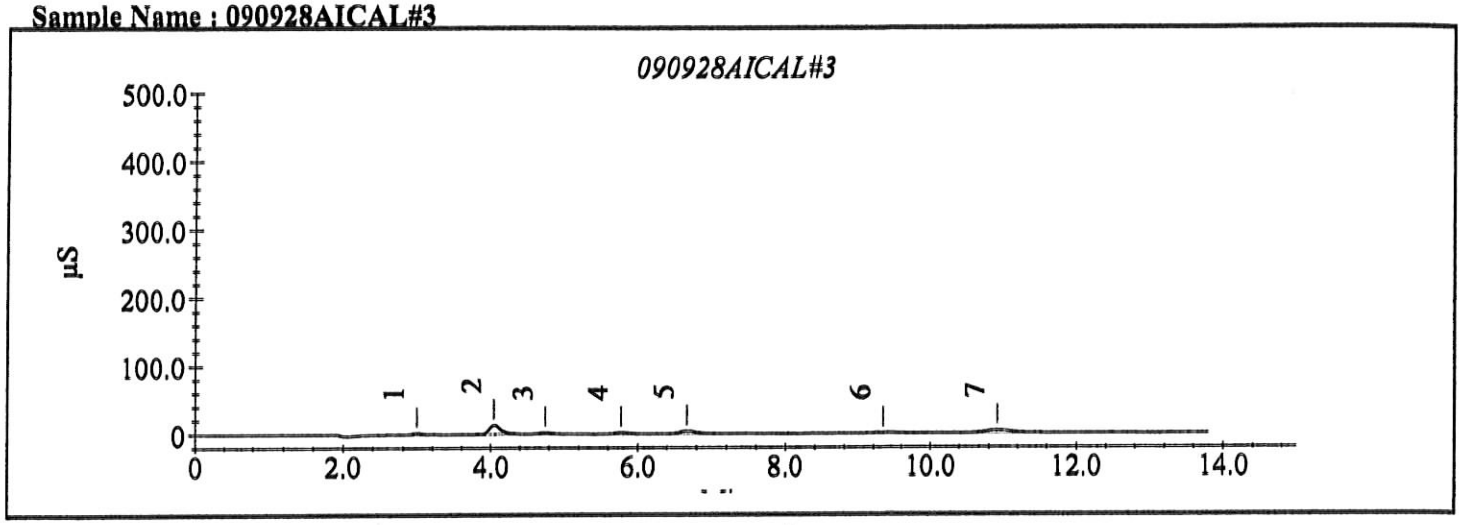
Peak Information : All Components

Peak #	Retention Time	Component Name	Cal Response (Previous)	Cal Response (Measured)	Cal Response (New)
1	2.99	fluoride	205202	205202	205202
2	4.04	chloride	1492117	1492117	1492117
3	4.75	nitrite-n	303800	303800	303800
4	5.77	bromide	311113	311113	311113
5	6.67	nitrate-n	710516	710516	710516
6	9.33	phosphate-p	375887	375887	375887
7	10.92	sulfate	1158041	1158041	1158041

Peak Information : All Components

Peak #	Retention Time	Component Name	Amount (mg/L)	Peak Area	Peak Height	Limit Exceeded
1	2.99	fluoride	0.25	205202	18748	
2	4.04	chloride	2.50	1492117	130706	
3	4.75	nitrite-n	0.25	303800	22193	
4	5.77	bromide	1.25	311113	20258	
5	6.67	nitrate-n	0.50	710516	39358	
6	9.33	phosphate-p	0.50	375887	12554	
7	10.92	sulfate	2.50	1158041	39225	

Sample Name : 090928AICAL#3



Calibration Update Report

Sample Name : 090928AICAL#4
Data File Name : I:\dionex\d1anions\data\090928a\090928a_012.DXD

Method File Name : ...\EPA300 09-28-09Low.met
Schedule File Name : ...\090928a.sch
Date Time Collected : 9/28/09 14:15:18

Calibration Date : 9/28/09 16:01:55
System Operator : pd
Injection Number : 12

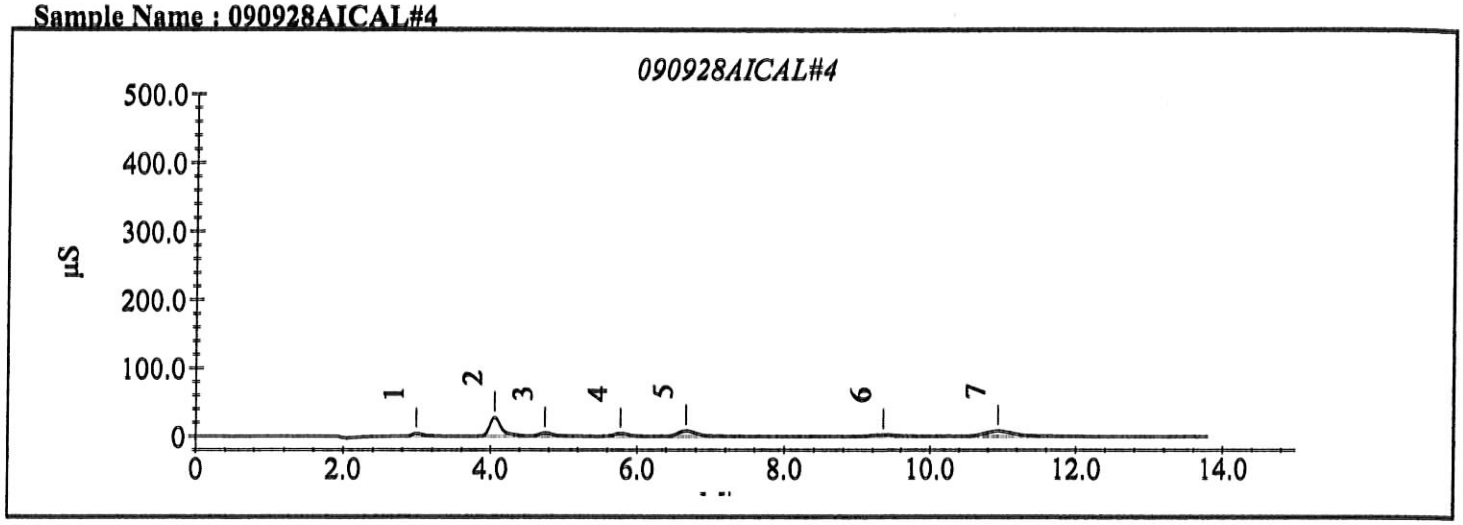
Peak Information : All Components

Peak #	Retention Time	Component Name	Cal Response (Previous)	Cal Response (Measured)	Cal Response (New)
1	2.99	fluoride	425345	425345	425345
2	4.05	chloride	3013976	3013976	3013976
3	4.75	nitrite-n	608470	608470	608470
4	5.77	bromide	630771	630771	630771
5	6.67	nitrate-n	1440523	1440523	1440523
6	9.35	phosphate-p	692515	692515	692515
7	10.93	sulfate	2271129	2271129	2271129

Peak Information : All Components

Peak #	Retention Time	Component Name	Amount (mg/L)	Peak Area	Peak Height	Limit Exceeded
1	2.99	fluoride	0.50	425345	38091	
2	4.05	chloride	5.00	3013976	269269	
3	4.75	nitrite-n	0.50	608470	44542	
4	5.77	bromide	2.50	630771	40835	
5	6.67	nitrate-n	1.00	1440523	79337	
6	9.35	phosphate-p	1.00	692515	23357	
7	10.93	sulfate	5.00	2271129	76849	

Sample Name : 090928AICAL#4



Calibration Update Report

Sample Name : 090928AICAL#5
Data File Name : I:\dionex\d1anions\data\090928a\090928a_013.DXD

Method File Name : ...\EPA300 09-28-09Low.met
Schedule File Name : ...\090928a.sch
Date Time Collected : 9/28/09 14:31:53

Calibration Date : 9/28/09 16:02:13
System Operator : pd
Injection Number : 13

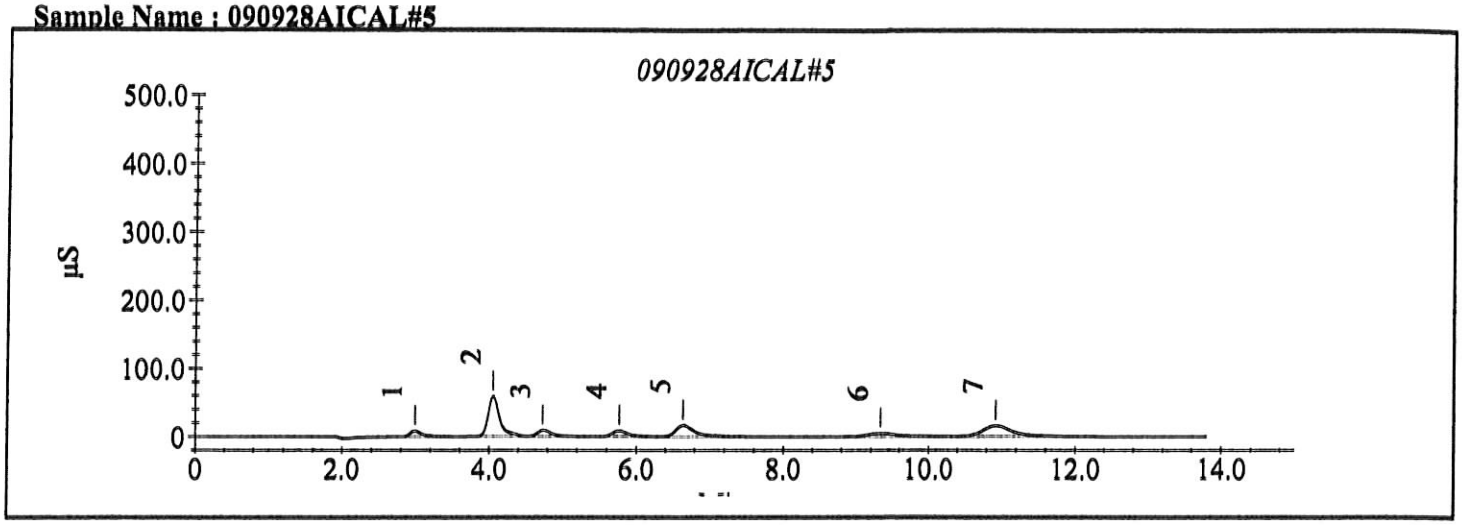
Peak Information : All Components

Peak #	Retention Time	Component Name	Cal Response (Previous)	Cal Response (Measured)	Cal Response (New)
1	2.99	fluoride	897543	897543	897543
2	4.05	chloride	6440658	6440658	6440658
3	4.73	nitrite-n	1284469	1284469	1284469
4	5.77	bromide	1290198	1290198	1290198
5	6.64	nitrate-n	2948679	2948679	2948679
6	9.33	phosphate-p	1357446	1357446	1357446
7	10.92	sulfate	4624374	4624374	4624374

Peak Information : All Components

Peak #	Retention Time	Component Name	Amount (mg/L)	Peak Area	Peak Height	Limit Exceeded
1	2.99	fluoride	1.00	897543	80726	
2	4.05	chloride	10.00	6440658	587457	
3	4.73	nitrite-n	1.00	1284469	91028	
4	5.77	bromide	5.00	1290198	84341	
5	6.64	nitrate-n	2.00	2948679	163374	
6	9.33	phosphate-p	2.00	1357446	46181	
7	10.92	sulfate	10.00	4624374	158181	

Sample Name : 090928AICAL#5



Calibration Update Report

Sample Name : 090928AICAL#6
Data File Name : I:\dionex\d1anions\data\090928a\090928a_014.DXD

Method File Name : ...\EPA300 09-28-09Low.met
Schedule File Name : ...\090928a.sch
Date Time Collected : 9/28/09 14:48:32

Calibration Date : 9/28/09 16:02:31
System Operator : pd
Injection Number : 14

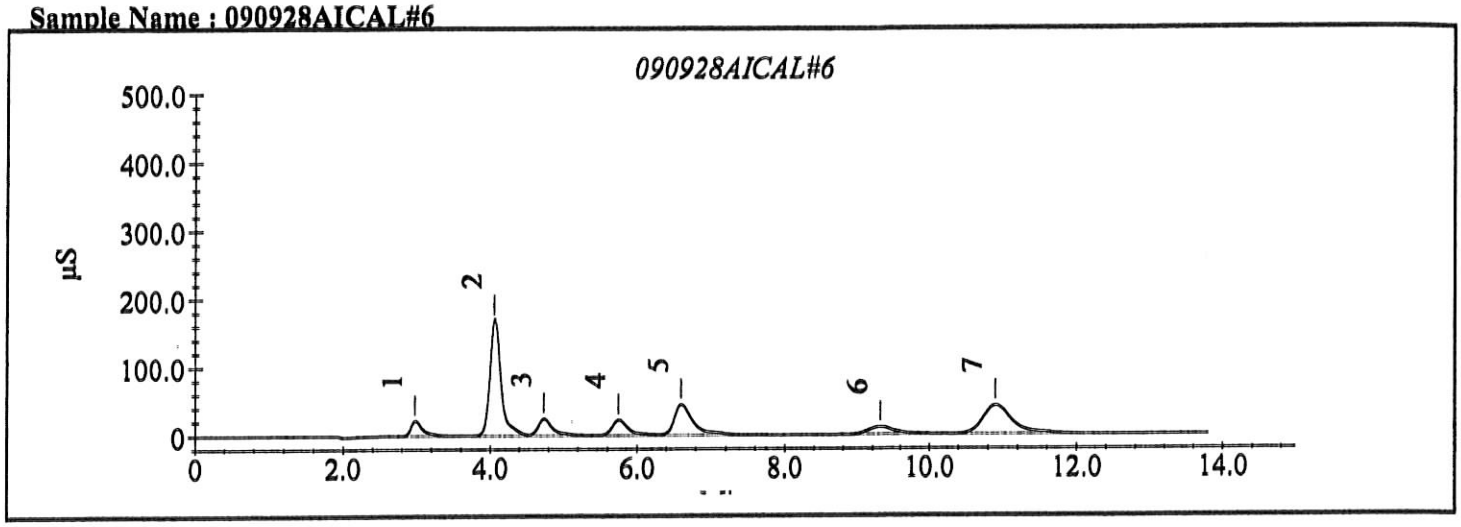
Peak Information : All Components

Peak #	Retention Time	Component Name	Cal Response (Previous)	Cal Response (Measured)	Cal Response (New)
1	2.97	fluoride	2493520	2493520	2493520
2	4.05	chloride	18241881	18241881	18241881
3	4.73	nitrite-n	3470087	3470087	3470087
4	5.75	bromide	3457178	3457178	3457178
5	6.60	nitrate-n	7905563	7905563	7905563
6	9.31	phosphate-p	3129437	3129437	3129437
7	10.89	sulfate	12149292	12149292	12149292

Peak Information : All Components

Peak #	Retention Time	Component Name	Amount (mg/L)	Peak Area	Peak Height	Limit Exceeded
1	2.97	fluoride	2.50	2493520	215212	
2	4.05	chloride	25.00	18241881	1684008	
3	4.73	nitrite-n	2.50	3470087	245078	
4	5.75	bromide	12.50	3457178	224292	
5	6.60	nitrate-n	5.00	7905563	443698	
6	9.31	phosphate-p	5.00	3129437	111955	
7	10.89	sulfate	25.00	12149292	421817	

Sample Name : 090928AICAL#6



Calibration Update Report

Sample Name : 090928AICAL#7
Data File Name : I:\dionex\d1anions\data\090928a\090928a_016.DXD

Method File Name : ...\EPA300 09-28-09Low.met
Schedule File Name : ...\090928a.sch
Date Time Collected : 9/28/09 15:21:30

Calibration Date : 9/28/09 16:02:50
System Operator : pd
Injection Number : 16

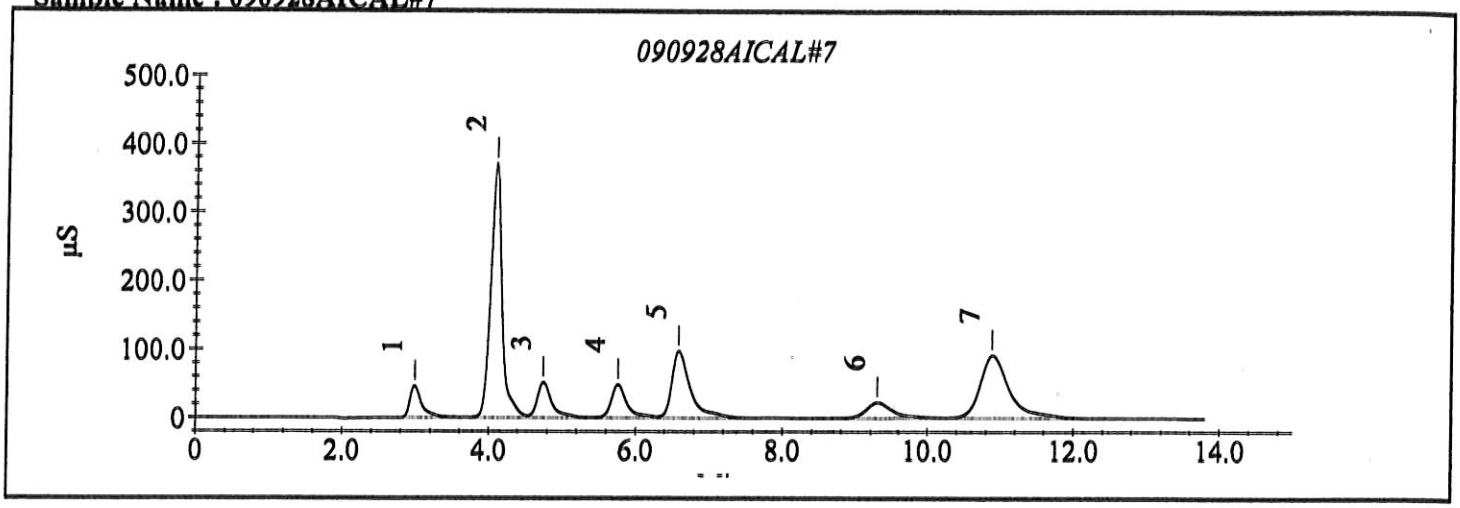
Peak Information : All Components

Peak #	Retention Time	Component Name	Cal Response (Previous)	Cal Response (Measured)	Cal Response (New)
1	2.99	fluoride	5247527	5247527	5247527
2	4.09	chloride	40194724	40194724	40194724
3	4.75	nitrite-n	7116628	7116628	7116628
4	5.76	bromide	7200873	7200873	7200873
5	6.59	nitrate-n	17044272	17044272	17044272
6	9.29	phosphate-p	6130484	6130484	6130484
7	10.88	sulfate	25844640	25844640	25844640

Peak Information : All Components

Peak #	Retention Time	Component Name	Amount (mg/L)	Peak Area	Peak Height	Limit Exceeded
1	2.99	fluoride	5.00	5247527	459736	
2	4.09	chloride	50.00	40194724	3715258	
3	4.75	nitrite-n	5.00	7116628	515887	
4	5.76	bromide	25.00	7200873	485256	
5	6.59	nitrate-n	10.00	17044272	973340	
6	9.29	phosphate-p	10.00	6130484	227677	
7	10.88	sulfate	50.00	25844640	917076	

Sample Name : 090928AICAL#7



Sample Analysis Report

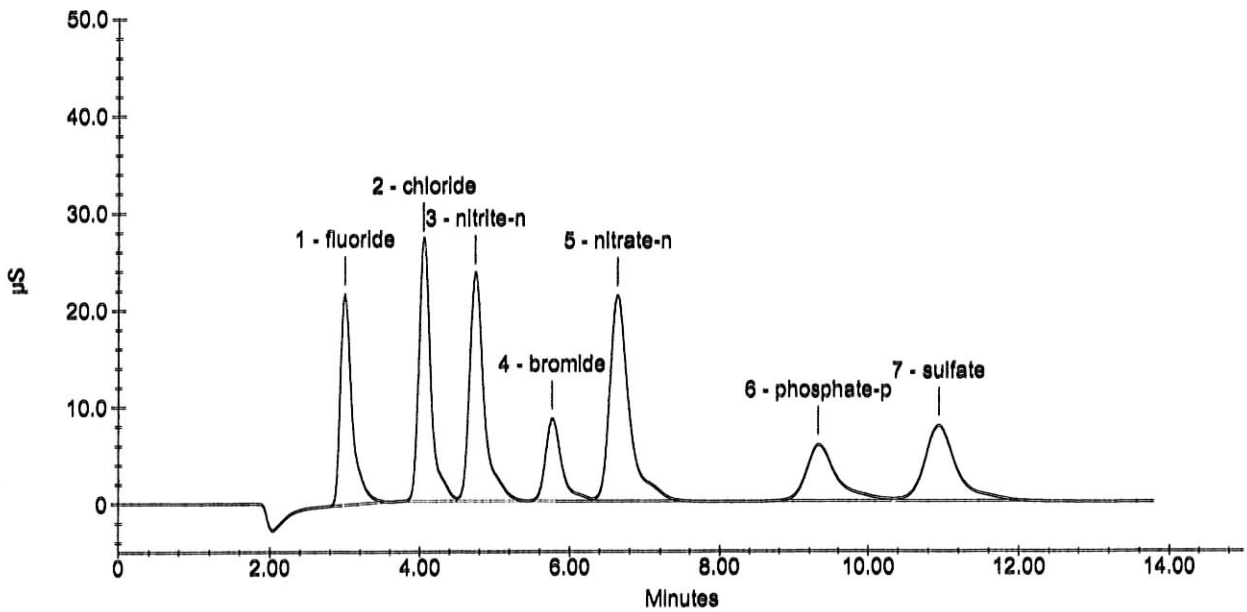
Sample Name : 090928A ICV
Data File Name : i:\dionex\d1anions\data\090928a\090928a_019.DXD

Method File Name : i:\dionex\d1anions\methods\epa300 09-28-09low.met
Date Time Collected : 9/28/09 16:22:03
System Operator : pd
Injection Number : 19
Multiplier : 1.00

Peak Information : All Peaks

Peak Number	Peak Retention Time	Component Name	Component Amount (mg/L)	Peak Area	Peak Height	Limit Exceed
1	2.99	fluoride	2.3167	2369062	216902	
2	4.04	chloride	4.6936	2992902	267662	
3	4.73	nitrite-n	2.2861	3196558	234155	
4	5.76	bromide	4.6470	1267767	84577	
5	6.63	nitrate-n	2.3412	3765662	211324	
6	9.32	phosphate-p	2.6666	1680699	57971	
7	10.93	sulfate	4.9560	2287815	77747	

090928A ICV



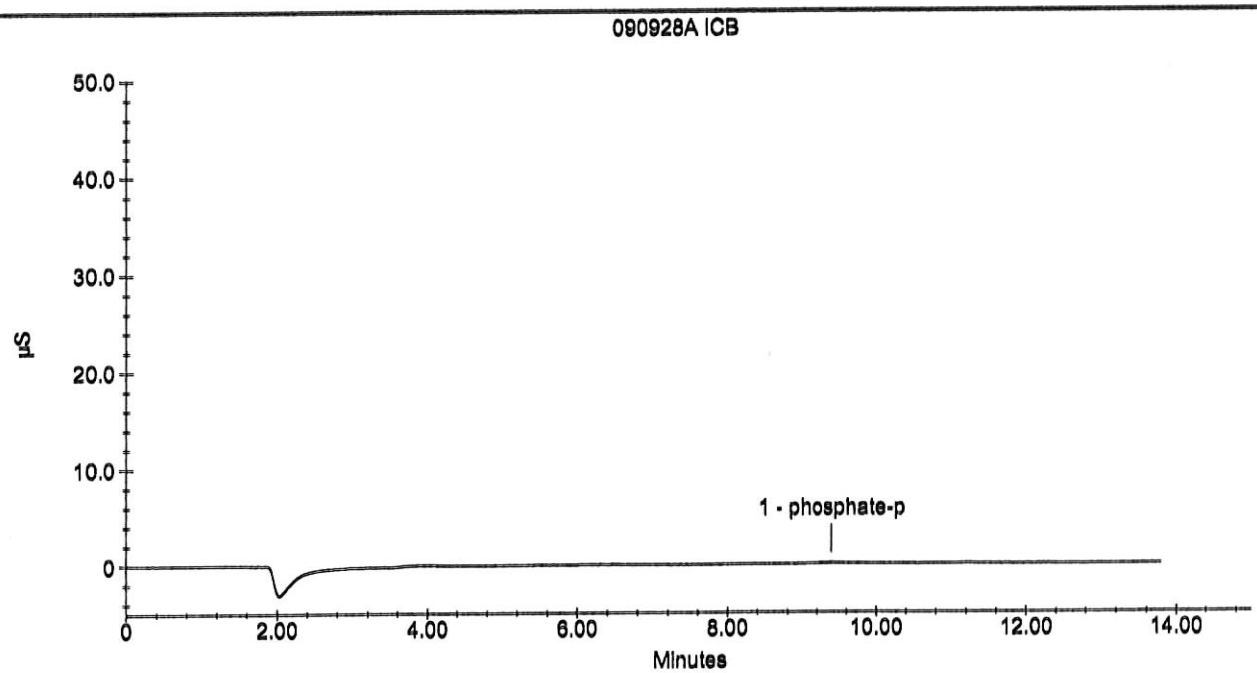
Sample Analysis Report

Sample Name : 090928A ICB
Data File Name : i:\dionex\d1anions\data\090928a\090928a_020.DXD

Method File Name : i:\dionex\d1anions\methods\epa300 09-28-09low.met
Date Time Collected : 9/28/09 16:38:39
System Operator : pd
Injection Number : 20
Multiplier : 1.00

Peak Information : All Peaks

Peak Number	Peak Retention Time	Component Name	Component Amount (mg/L)	Peak Area	Peak Height	Limit Exceed
1	9.40	phosphate-p	-0.0642	11369	630	-



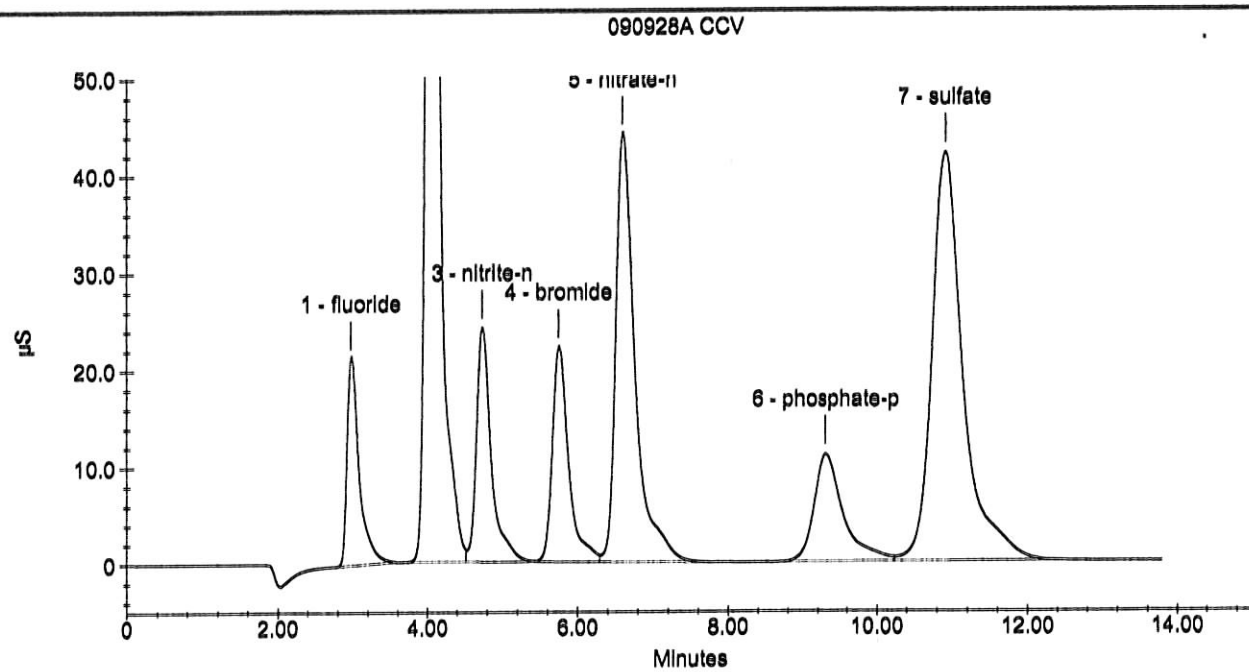
Sample Analysis Report

Sample Name : 090928A CCV
Data File Name : i:\dionex\d1anions\data\090928a\090928a_021.DXD

Method File Name : i:\dionex\d1anions\methods\epa300 09-28-09low.met
Date Time Collected : 9/28/09 16:55:03
System Operator : pd
Injection Number : 21
Multiplier : 1.00

Peak Information : All Peaks

Peak Number	Peak Retention Time	Component Name	Component Amount (mg/L)	Peak Area	Peak Height	Limit Exceed
1	2.97	fluoride	2.3581	2412684	212275	
2	4.07	chloride	23.2760	17987691	1694035	
3	4.73	nitrite-n	2.3586	3300612	240153	
4	5.75	bromide	11.7375	3316659	220490	
5	6.60	nitrate-n	4.6943	7778246	439324	
6	9.31	phosphate-p	4.9437	3072720	110367	
7	10.91	sulfate	23.8454	12051083	419931	



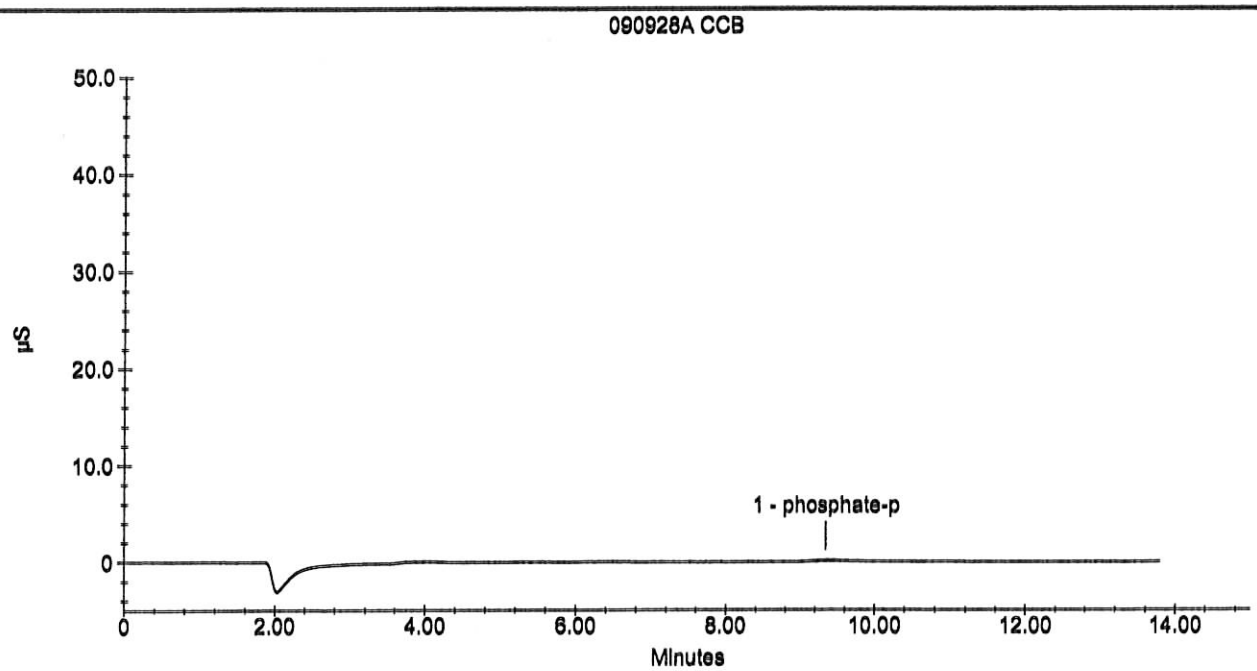
Sample Analysis Report

Sample Name : 090928A CCB
Data File Name : i:\dionex\d1anions\data\090928a\090928a_022.DXD

Method File Name : i:\dionex\d1anions\methods\epa300 09-28-09low.met
Date Time Collected : 9/28/09 17:11:38
System Operator : pd
Injection Number : 22
Multiplier : 1.00

Peak Information : All Peaks

Peak Number	Peak Retention Time	Component Name	Component Amount (mg/L)	Peak Area	Peak Height	Limit Exceed
1	9.35	phosphate-p	-0.0545	17327	946	-



Sample Analysis Report

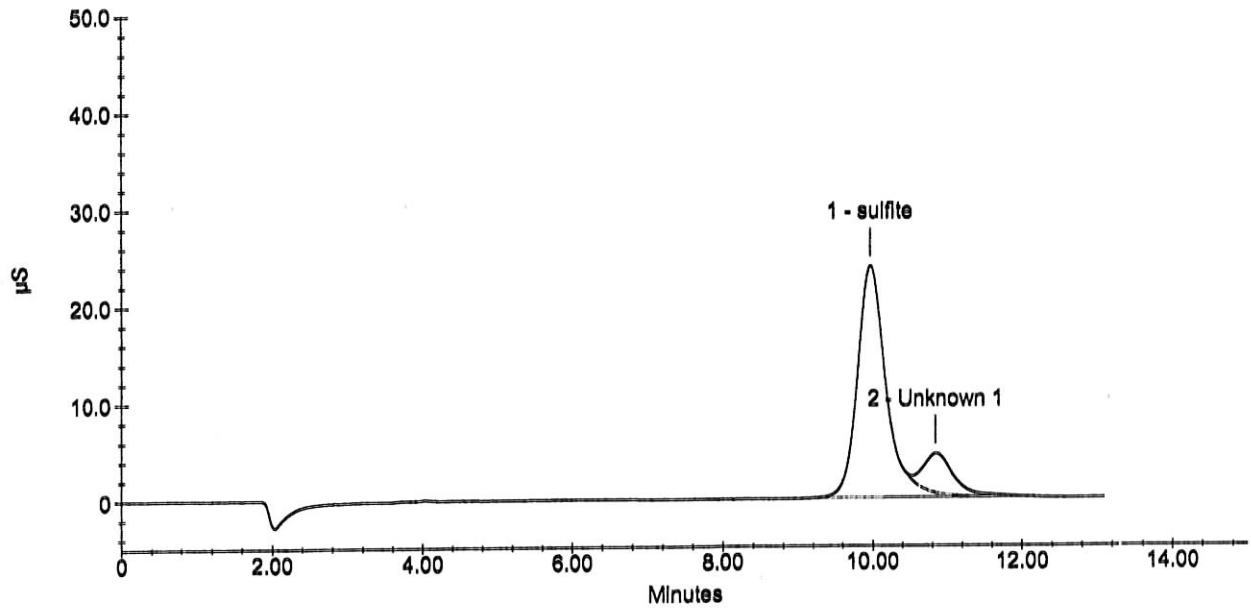
Sample Name : 090929A SULFITE CCV
Data File Name : i:\dionex\d1anions\data\090929a\090929a_002.DXD

Method File Name : i:\dionex\d1anions\methods\epasufite 08-25-09low.met
Date Time Collected : 9/29/09 07:51:30
System Operator : pd
Injection Number : 2
Multiplier : 1.00

Peak Information : All Peaks

Peak Number	Peak Retention Time	Component Name	Component Amount (mg/L)	Peak Area	Peak Height	Limit Exceed
1	9.96	sulfite	26.2265	6378548	237626	
2	10.84	Unknown 1	0.0000	1177318	40519	

090929A SULFITE CCV



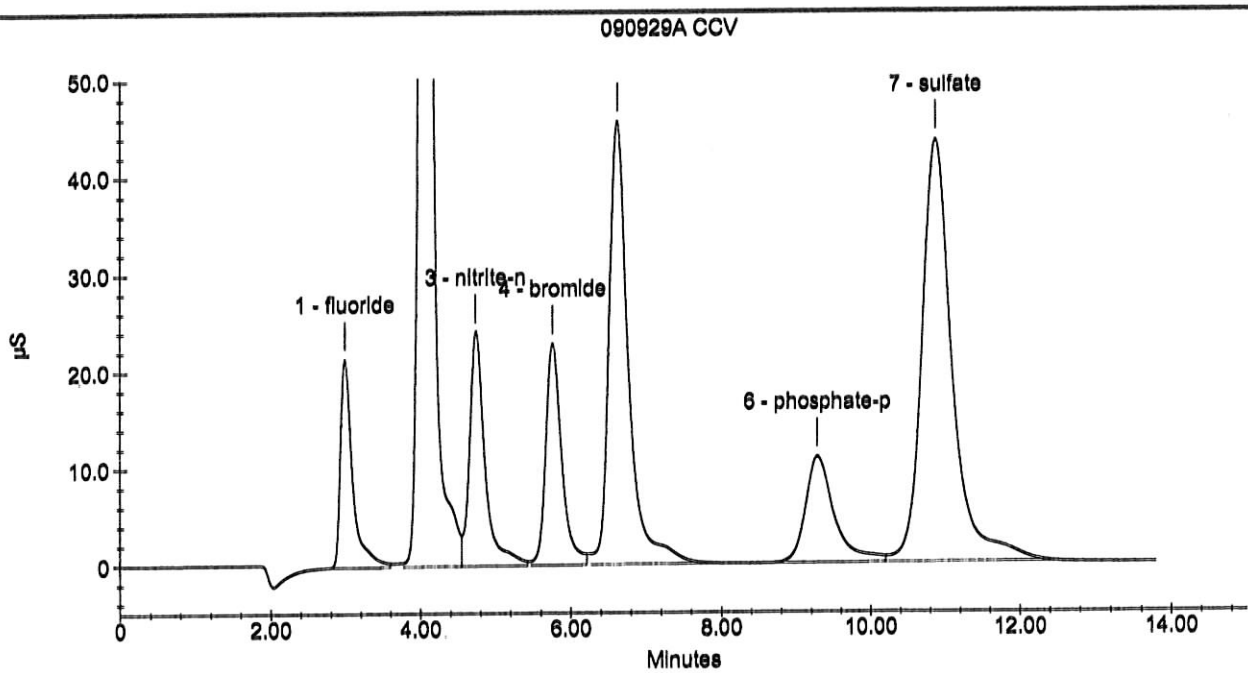
Sample Analysis Report

Sample Name : 090929A CCV
Data File Name : i:\dionex\d1anions\data\090929a\090929a_004.DXD

Method File Name : i:\dionex\d1anions\methods\epa300 09-28-09low.met
Date Time Collected : 9/29/09 08:22:52
System Operator : pd
Injection Number : 4
Multiplier : 1.00

Peak Information : All Peaks

Peak Number	Peak Retention Time	Component Name	Component Amount (mg/L)	Peak Area	Peak Height	Limit Exceed
1	2.99	fluoride	2.3919	2448390	214279	
2	4.07	chloride	23.7439	18365267	1723598	
3	4.73	nitrite-n	2.4603	3446428	240918	
4	5.76	bromide	11.9104	3366630	228331	
5	6.61	nitrate-n	4.9017	8131865	456161	
6	9.28	phosphate-p	4.8199	2997036	109261	
7	10.87	sulfate	24.3308	12301950	434602	



Sample Analysis Report

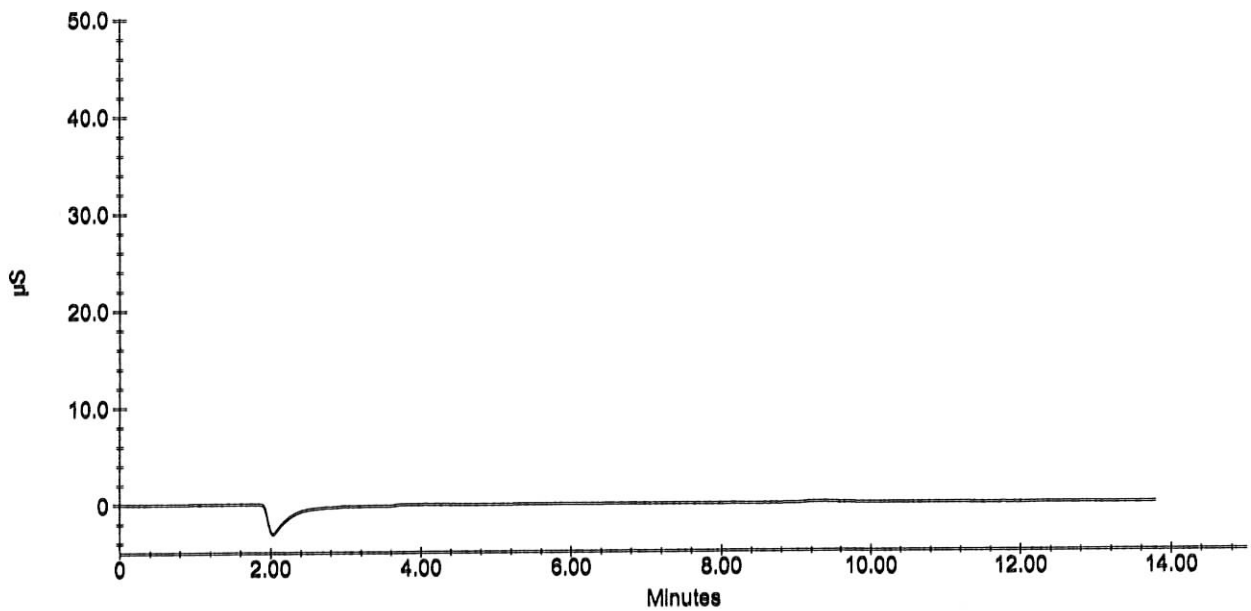
Sample Name : 090929A SULFITE/300 CCB
Data File Name : i:\dionex\d1anions\data\090929a\090929a_006.DXD

Method File Name : i:\dionex\d1anions\methods\epa300 09-28-09low.met
Date Time Collected : 9/29/09 08:56:05
System Operator : pd
Injection Number : 6
Multiplier : 1.00

Peak Information : All Peaks

Peak Number	Peak Retention Time	Component Name	Component Amount (mg/L)	Peak Area	Peak Height	Limit Exceed

090929A SULFITE/300 CCB



Sample Analysis Report

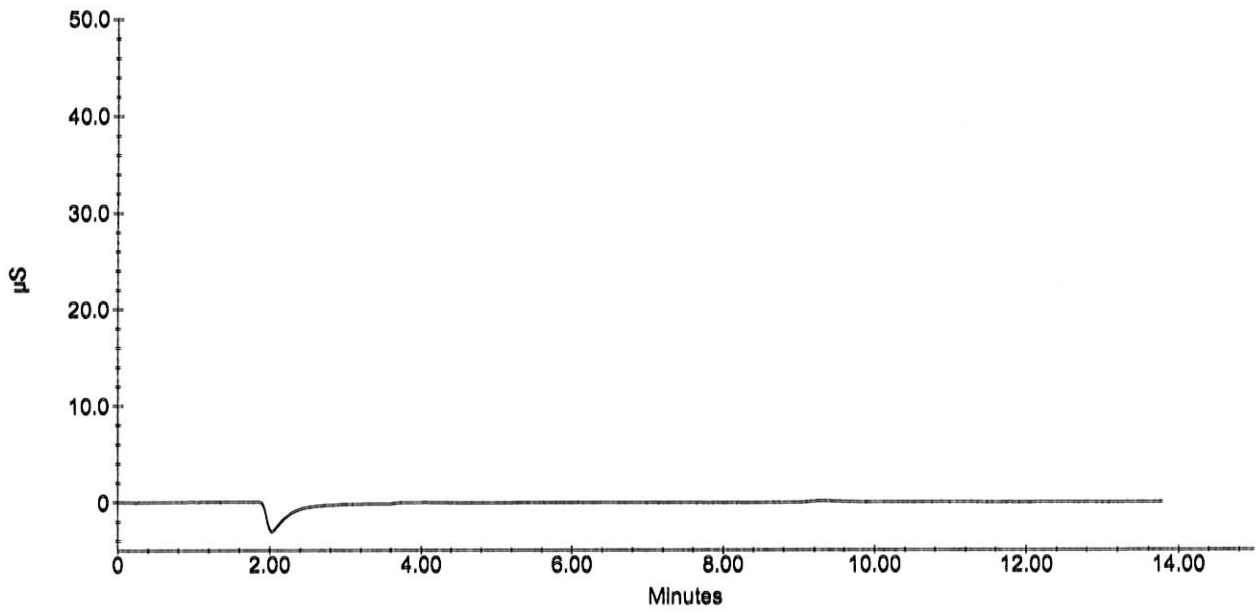
Sample Name : 090929A SULFITE/300 CCB
Data File Name : i:\dionex\d1anions\data\090929a\090929a_006.DXD

Method File Name : I:\DIONEX\D1ANIONS\METHODS\EPAsufite 08-25-09Low.met
Date Time Collected : 9/29/09 8:56:05 AM
System Operator : pd
Injection Number : 6
Multiplier : 1.00

Peak Information : All Peaks

Peak Number	Peak Retention Time	Component Name	Component Amount (mg/L)	Peak Area	Peak Height	Limit Exceed

090929A SULFITE/300 CCB



Sample Analysis Report

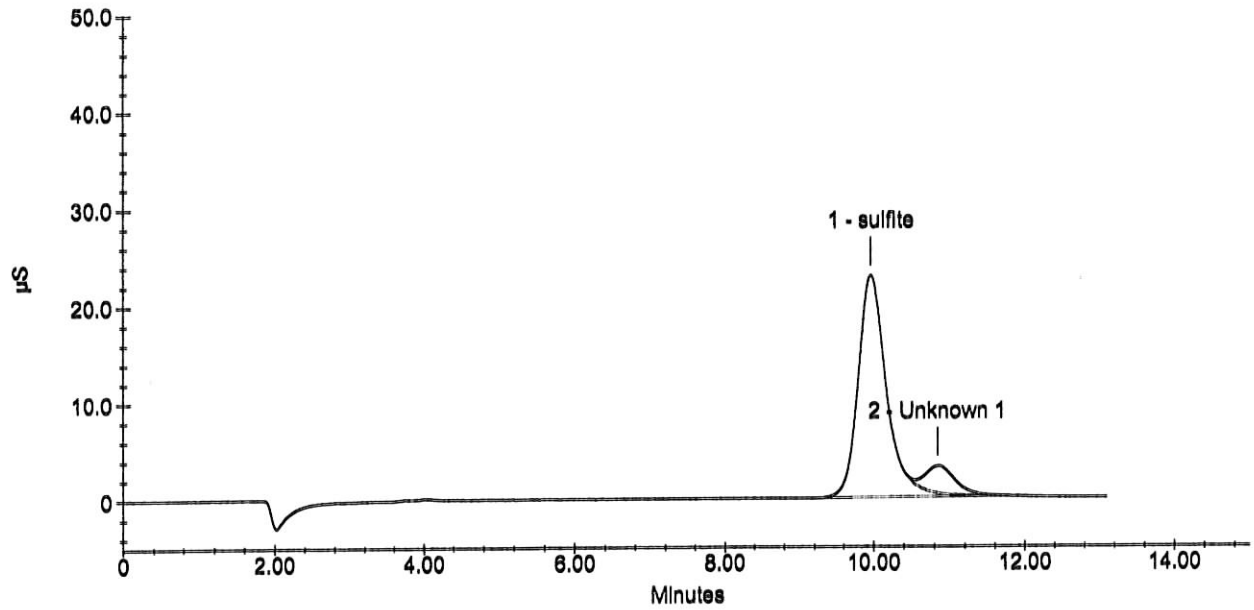
Sample Name : 090929A SULFITE CCV
Data File Name : i:\dionex\d1anions\data\090929a\090929a_018.DXD

Method File Name : i:\dionex\d1anions\methods\epasufite 08-25-09low.met
Date Time Collected : 9/29/09 12:25:50
System Operator : pd
Injection Number : 18
Multiplier : 1.00

Peak Information : All Peaks

Peak Number	Peak Retention Time	Component Name	Component Amount (mg/L)	Peak Area	Peak Height	Limit Exceed
1	9.96	sulfite	24.7166	6012335	228101	
2	10.84	Unknown 1	0.0000	774372	28034	

090929A SULFITE CCV



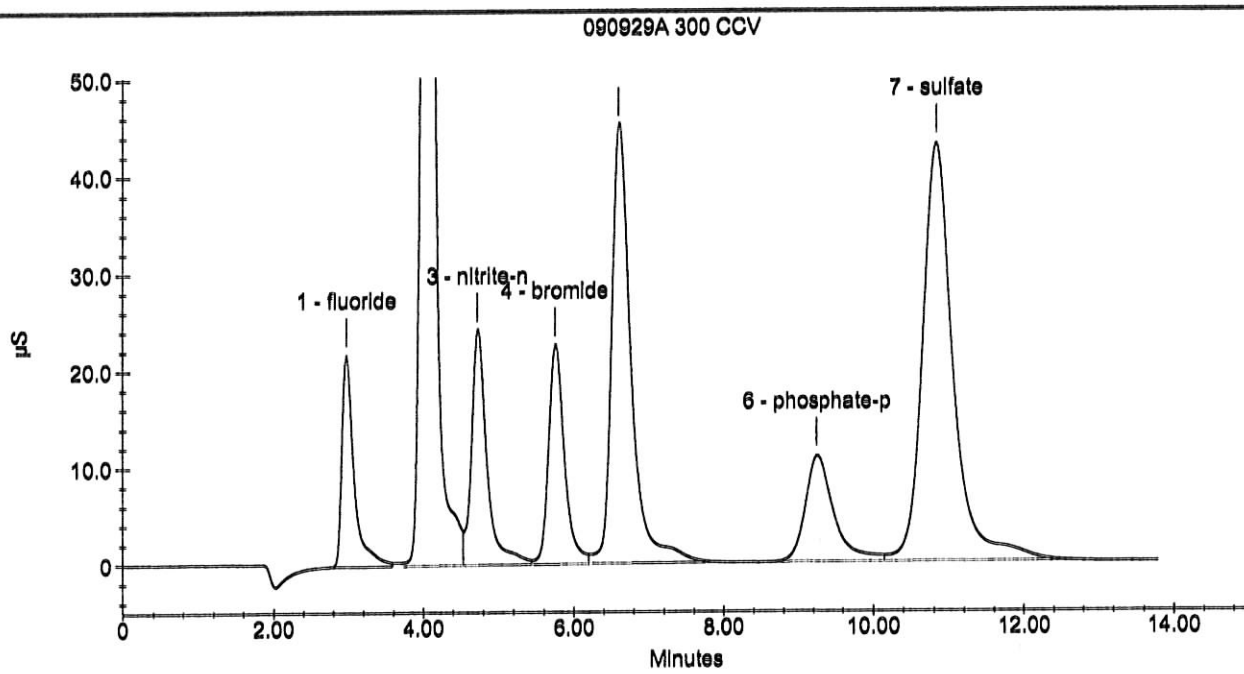
Sample Analysis Report

Sample Name : 090929A 300 CCV
Data File Name : i:\dionex\d1anions\data\090929a\090929a_019.DXD

Method File Name : i:\dionex\d1anions\methods\epa300 09-28-09low.met
Date Time Collected : 9/29/09 12:41:30
System Operator : pd
Injection Number : 19
Multiplier : 1.00

Peak Information : All Peaks

Peak Number	Peak Retention Time	Component Name	Component Amount (mg/L)	Peak Area	Peak Height	Limit Exceed
1	2.97	fluoride	2.4051	2462297	217507	
2	4.05	chloride	23.5225	18186595	1721654	
3	4.72	nitrite-n	2.4774	3470814	241083	
4	5.75	bromide	11.7406	3317564	225281	
5	6.60	nitrate-n	4.8624	8064857	450575	
6	9.24	phosphate-p	4.7513	2955061	108968	
7	10.83	sulfate	24.0025	12132241	430403	



Sample Analysis Report

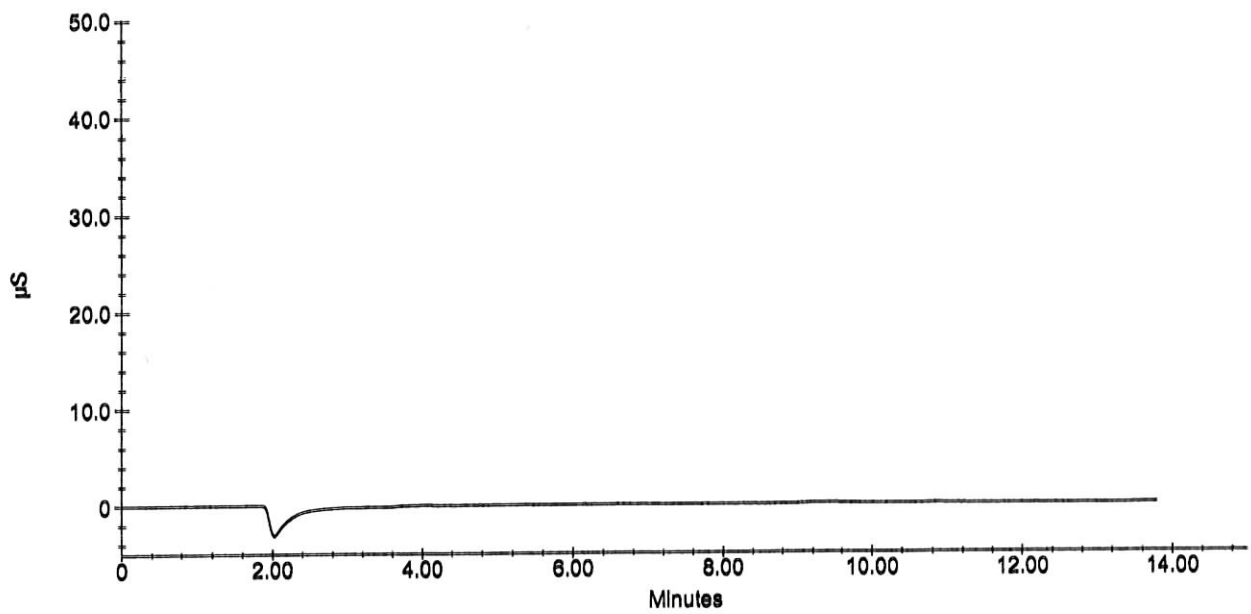
Sample Name : 090929A SULFITE/300 CCB
Data File Name : i:\dionex\d1anions\data\090929a\090929a_020.DXD

Method File Name : i:\dionex\d1anions\methods\epa300 09-28-09low.met
Date Time Collected : 9/29/09 12:58:07
System Operator : pd
Injection Number : 20
Multiplier : 1.00

Peak Information : All Peaks

Peak Number	Peak Retention Time	Component Name	Component Amount (mg/L)	Peak Area	Peak Height	Limit Exceed

090929A SULFITE/300 CCB



Sample Analysis Report

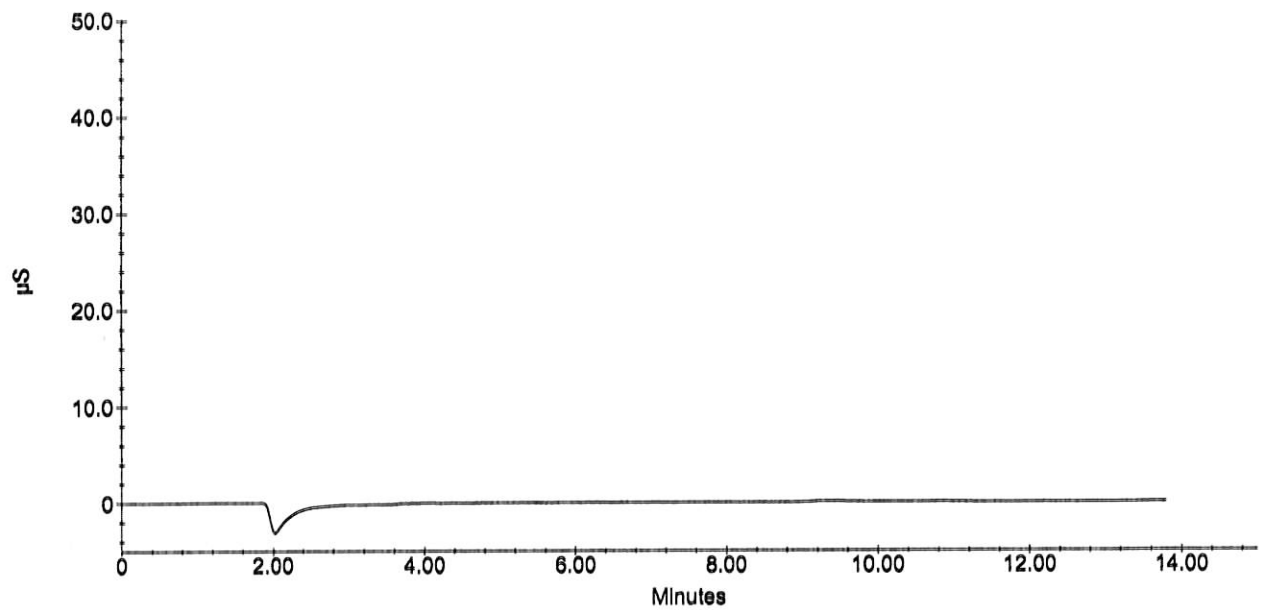
Sample Name : 090929A SULFITE/300 CCB
Data File Name : i:\dionex\d1anions\data\090929a\090929a_020.DXD

Method File Name : I:\DIONEX\D1ANIONS\METHODS\EPAsufite 08-25-09Low.met
Date Time Collected : 9/29/09 12:58:07 PM
System Operator : pd
Injection Number : 20
Multiplier : 1.00

Peak Information : All Peaks

Peak Number	Peak Retention Time	Component Name	Component Amount (mg/L)	Peak Area	Peak Height	Limit Exceed

090929A SULFITE/300 CCB



Sample Analysis Report

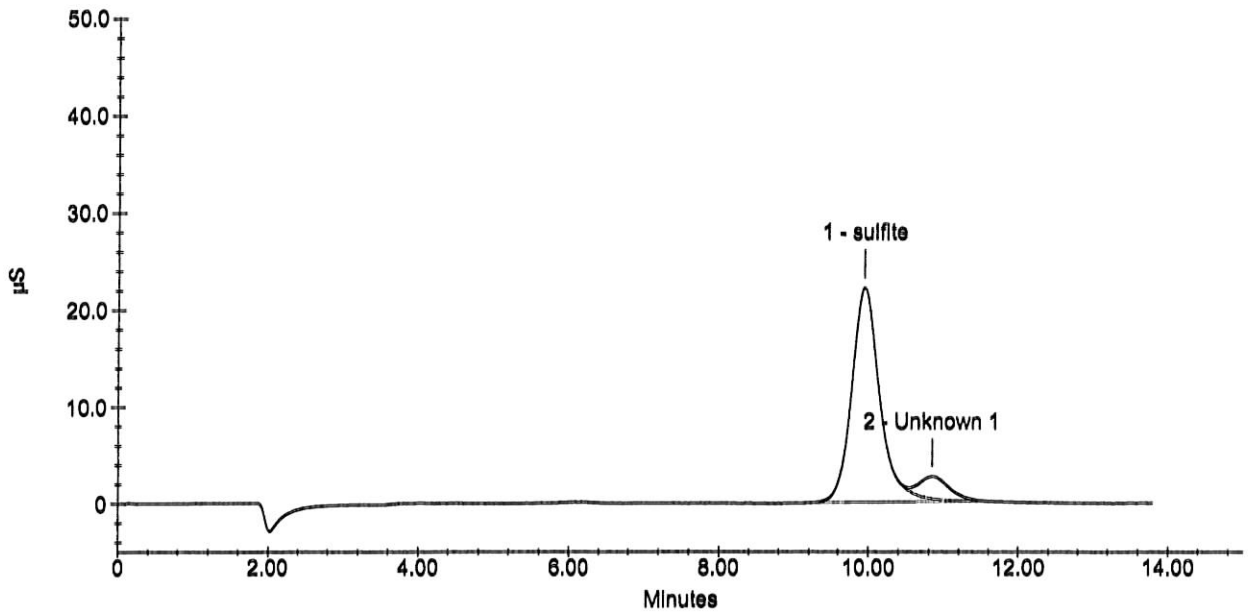
Sample Name : 090929A SULFITE CCV
Data File Name : i:\dionex\d1anions\data\090929a\090929a_028.DXD

Method File Name : I:\DIONEX\D1ANIONS\METHODS\EPAsufite 08-25-09Low.met
Date Time Collected : 9/29/09 15:38:51
System Operator : pd
Injection Number : 28
Multiplier : 1.00

Peak Information : All Peaks

Peak Number	Peak Retention Time	Component Name	Component Amount (mg/L)	Peak Area	Peak Height	Limit Exceed
1	9.93	sulfite	23.8657	5805964	220914	
2	10.84	Unknown 1	0.0000	646597	23128	

090929A SULFITE CCV



Sample Analysis Report

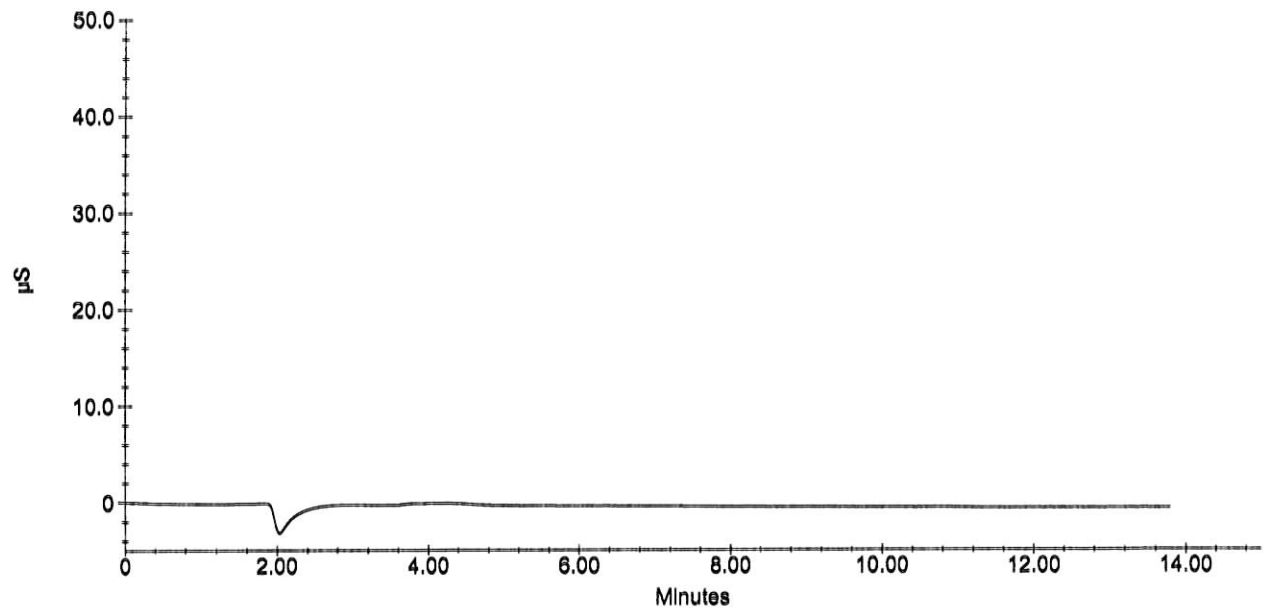
Sample Name : 090929A SULFITE/300 CCB
Data File Name : i:\dionex\d1anions\data\090929a\090929a_063.DXD

Method File Name : I:\DIONEX\D1ANIONS\METHODS\EPA300 09-28-09Low.met
Date Time Collected : 9/30/09 07:47:56
System Operator : pd
Injection Number : 63
Multiplier : 1.00

Peak Information : All Peaks

Peak Number	Peak Retention Time	Component Name	Component Amount (mg/L)	Peak Area	Peak Height	Limit Exceed

090929A SULFITE/300 CCB



Sample Analysis Report

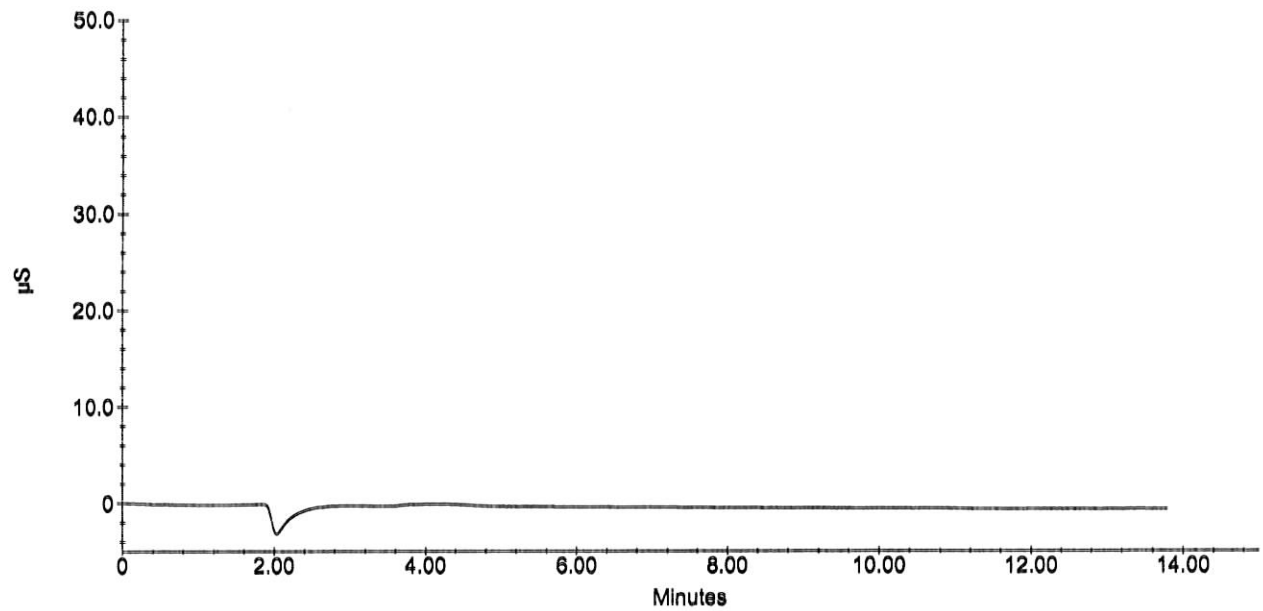
Sample Name : 090929A SULFITE/300 CCB
Data File Name : i:\dionex\d1anions\data\090929a\090929a_063.DXD

Method File Name : I:\DIONEX\D1ANIONS\METHODS\EPAsufite 08-25-09Low.met
Date Time Collected : 9/30/09 7:47:56 AM
System Operator : pd
Injection Number : 63
Multiplier : 1.00

Peak Information : All Peaks

Peak Number	Peak Retention Time	Component Name	Component Amount (mg/L)	Peak Area	Peak Height	Limit Exceed

090929A SULFITE/300 CCB



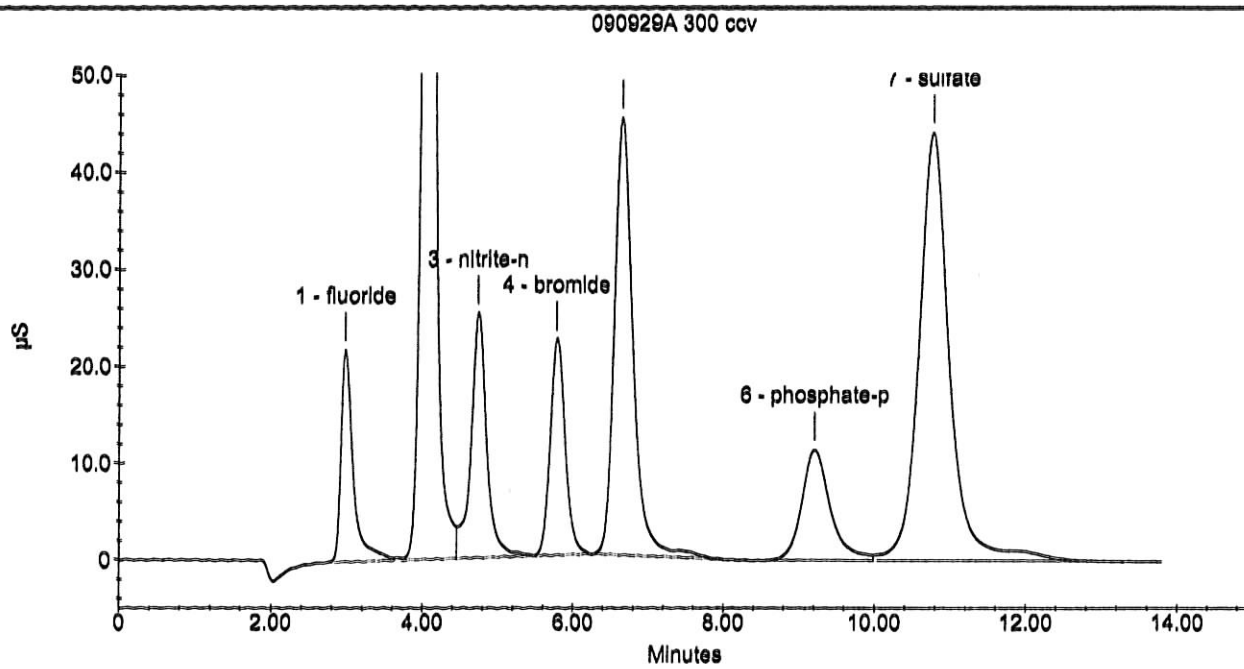
Sample Analysis Report

Sample Name : 090929A 300 ccv
Data File Name : I:\DIONEX\D1ANIONS\DATA\090929A\090929a_064.DXD

Method File Name : I:\DIONEX\D1ANIONS\METHODS\EPA300 09-28-09Low.met
Date Time Collected : 9/30/09 8:04:24 AM
System Operator : pd
Injection Number : 64
Multiplier : 1.00

Peak Information : All Peaks

Peak Number	Peak Retention Time	Component Name	Component Amount (mg/L)	Peak Area	Peak Height	Limit Exceed
1	2.97	fluoride	2.389	2445002	217239	
2	4.05	chloride	23.249	17966293	1720000	
3	4.73	nitrite-n	2.586	3626437	250450	
4	5.77	bromide	10.874	3067071	221720	
5	6.64	nitrate-n	4.625	7659403	450271	
6	9.20	phosphate-p	4.832	3004453	113462	
7	10.76	sulfate	24.603	12442866	440143	



Sample Analysis Report

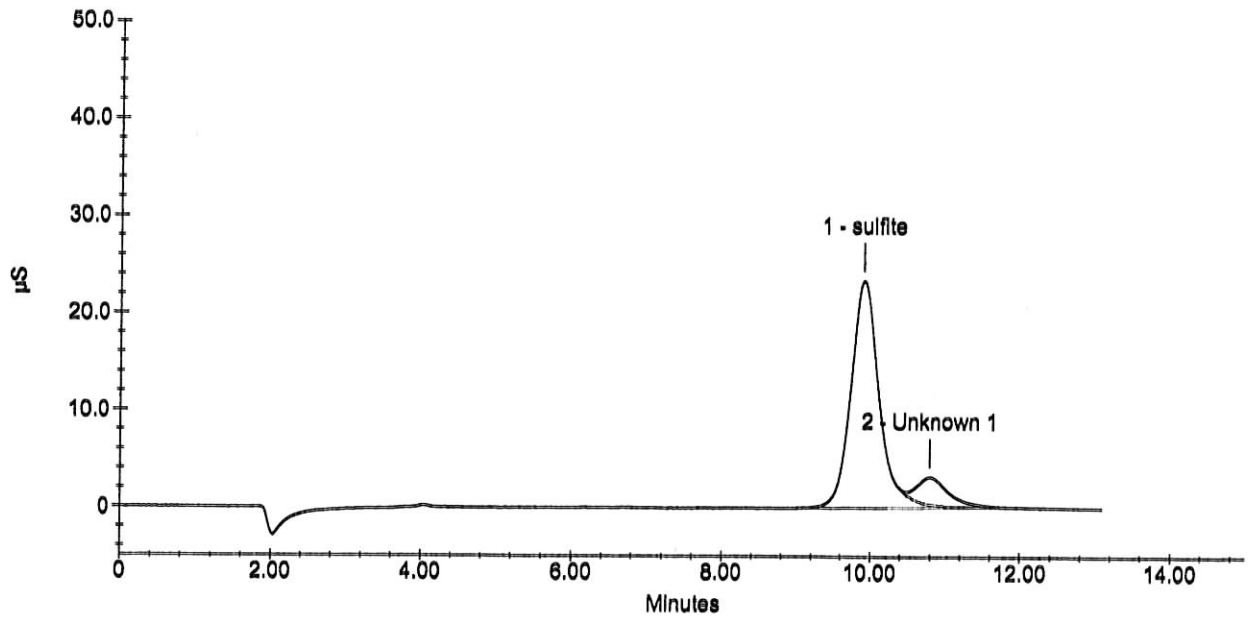
Sample Name : 090930A SULFITE CCV
Data File Name : i:\dionex\d1anions\data\090930a\090930a_002.DXD

Method File Name : i:\dionex\d1anions\methods\epasufite 08-25-09low.met
Date Time Collected : 9/30/09 10:56:35
System Operator : pd
Injection Number : 2
Multiplier : 1.00

Peak Information : All Peaks

Peak Number	Peak Retention Time	Component Name	Component Amount (mg/L)	Peak Area	Peak Height	Limit Exceed
1	9.89	sulfite	25.4003	6178170	233030	
2	10.79	Unknown 1	0.0000	838254	28087	

090930A SULFITE CCV



APPL, Inc.

Current Date : 9/30/09
Current Time : 11:12:12

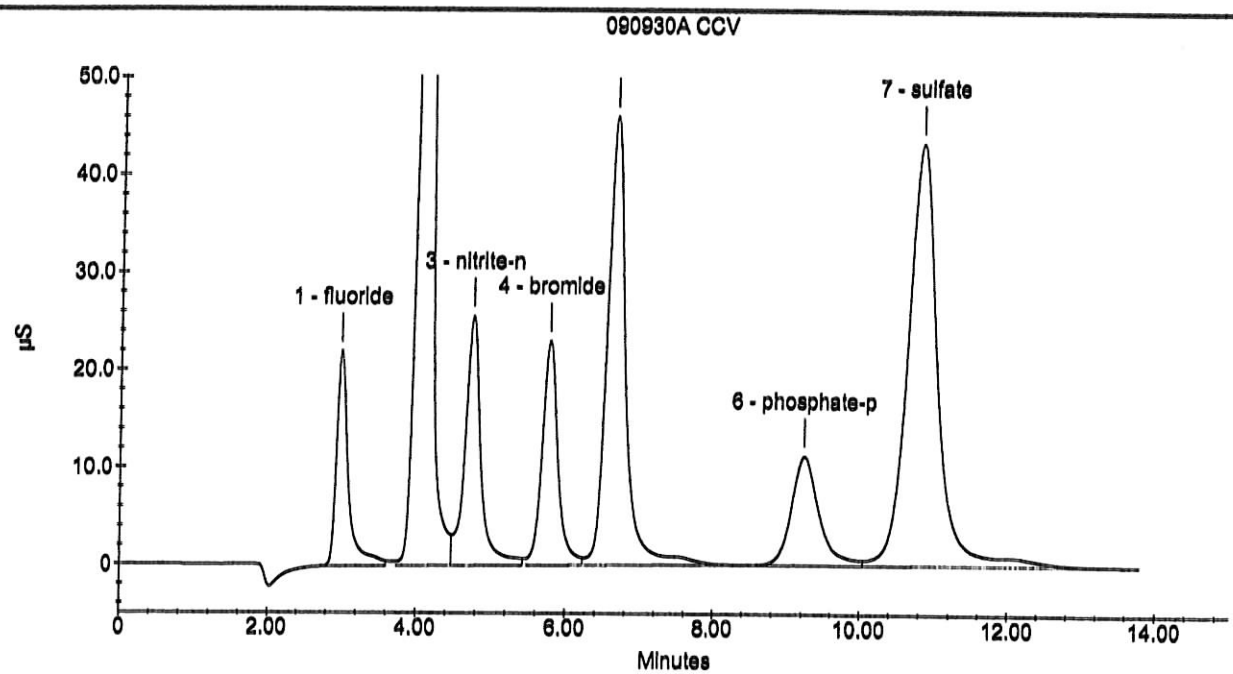
Sample Analysis Report

Sample Name : 090930A CCV
Data File Name : I:\DIONEX\D1ANIONS\DATA\090930A\090930A_004.DXD

Method File Name : I:\DIONEX\D1ANIONS\METHODS\EPA300 09-28-09Low.met
Date Time Collected : 9/30/09 11:27:58 AM
System Operator : pd
Injection Number : 4
Multiplier : 1.00

Peak Information : All Peaks

Peak Number	Peak Retention Time	Component Name	Component Amount (mg/L)	Peak Area	Peak Height	Limit Exceed
1	2.97	fluoride	2.416	2473521	219468	
2	4.05	chloride	23.183	17912871	1716898	
3	4.73	nitrite-n	2.698	3787696	255367	
4	5.76	bromide	11.889	3360383	229500	
5	6.61	nitrate-n	4.887	8107551	459448	
6	9.21	phosphate-p	4.770	2966311	111457	
7	10.79	sulfate	24.285	12278341	432691	



APPL, Inc.

Current Date : 10/1/09
Current Time : 12:47:23 PM

Sample Analysis Report

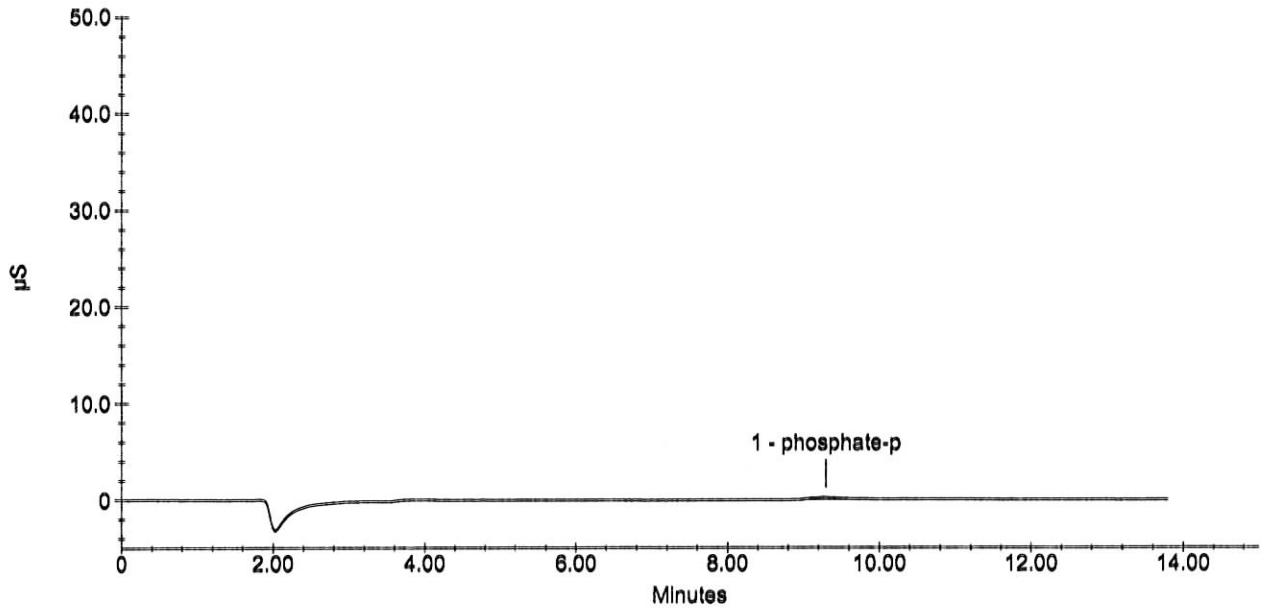
Sample Name : 090930A SULFITE/300 CCB
Data File Name : i:\dionex\d1anions\data\090930a\090930a_006.DXD

Method File Name : I:\DIONEX\D1ANIONS\METHODS\EPA300 09-28-09Low.met
Date Time Collected : 9/30/09 12:01:10
System Operator : pd
Injection Number : 6
Multiplier : 1.00

Peak Information : All Peaks

Peak Number	Peak Retention Time	Component Name	Component Amount (mg/L)	Peak Area	Peak Height	Limit Exceed
1	9.29	phosphate-p	-0.0360	28618	1343	-

090930A SULFITE/300 CCB



Sample Analysis Report

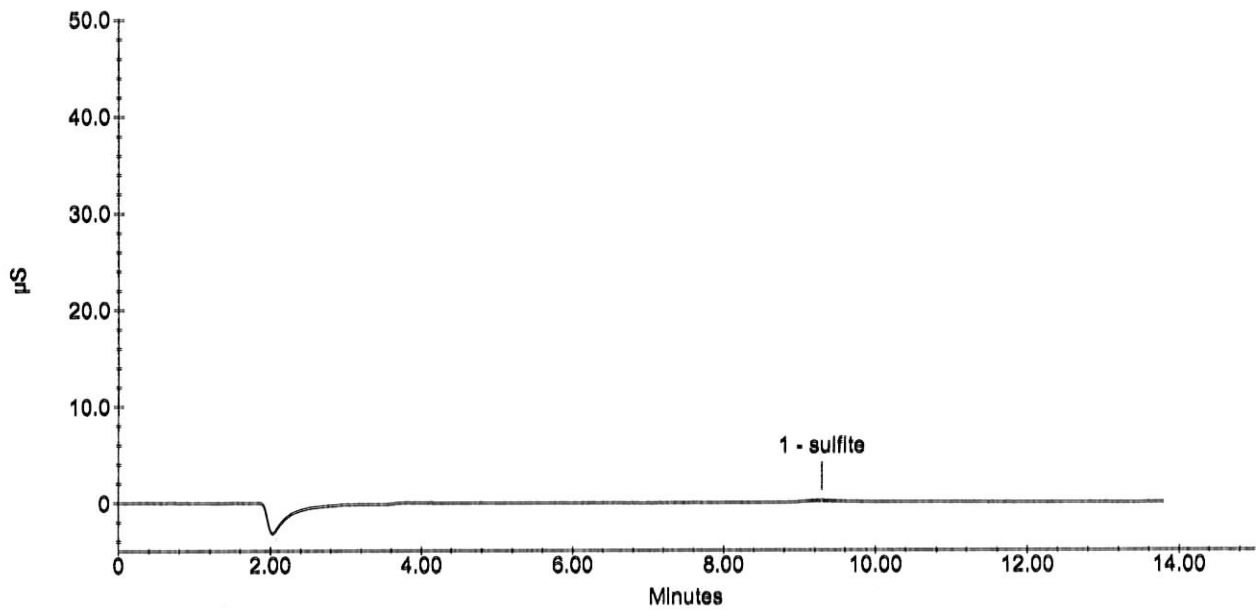
Sample Name : 090930A SULFITE/300 CCB
Data File Name : i:\dionex\d1anions\data\090930a\090930a_006.DXD

Method File Name : I:\DIONEX\D1ANIONS\METHODS\EPAsufite 08-25-09Low.met
Date Time Collected : 9/30/09 12:01:10 PM
System Operator : pd
Injection Number : 6
Multiplier : 1.00

Peak Information : All Peaks

Peak Number	Peak Retention Time	Component Name	Component Amount (mg/L)	Peak Area	Peak Height	Limit Exceed
1	9.29	sulfite	0.046	28618	1343	-

090930A SULFITE/300 CCB



Sample Analysis Report

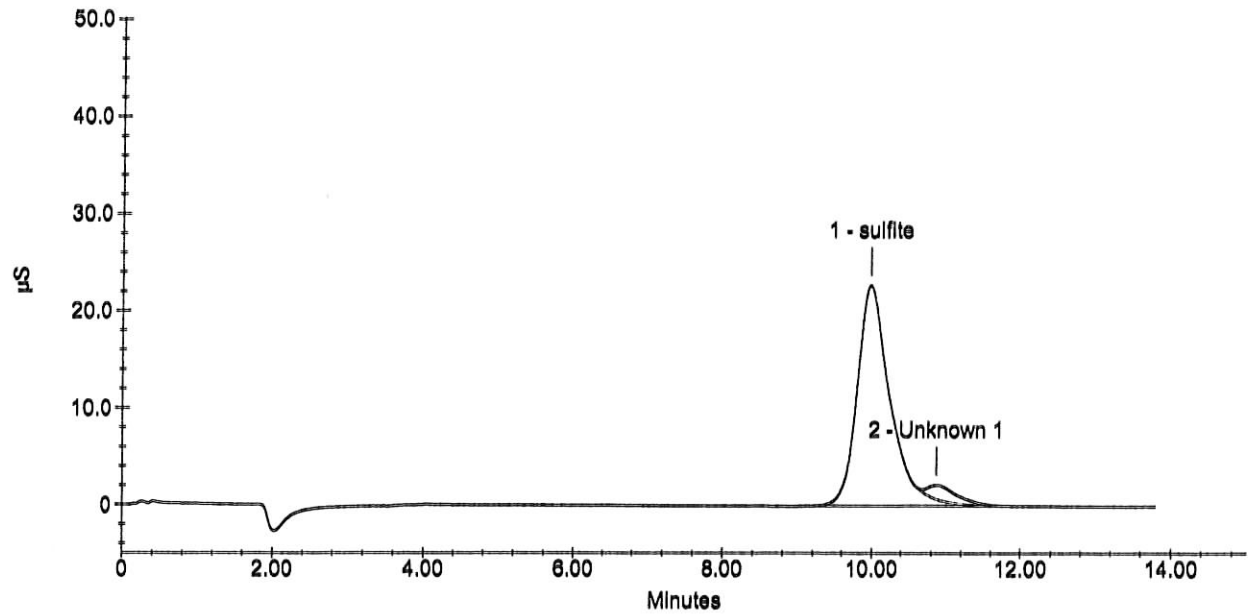
Sample Name : 090930A SULFITE CCV
Data File Name : i:\dionex\d1anions\data\090930a\090930a_013.DXD

Method File Name : I:\DIONEX\D1ANIONS\METHODS\EPAsufite 08-25-09Low.met
Date Time Collected : 9/30/09 15:25:42
System Operator : pd
Injection Number : 13
Multiplier : 1.00

Peak Information : All Peaks

Peak Number	Peak Retention Time	Component Name	Component Amount (mg/L)	Peak Area	Peak Height	Limit Exceed
1	9.97	sulfite	28.7680	6994975	226983	
2	10.87	Unknown 1	0.0000	436749	14711	

090930A SULFITE CCV



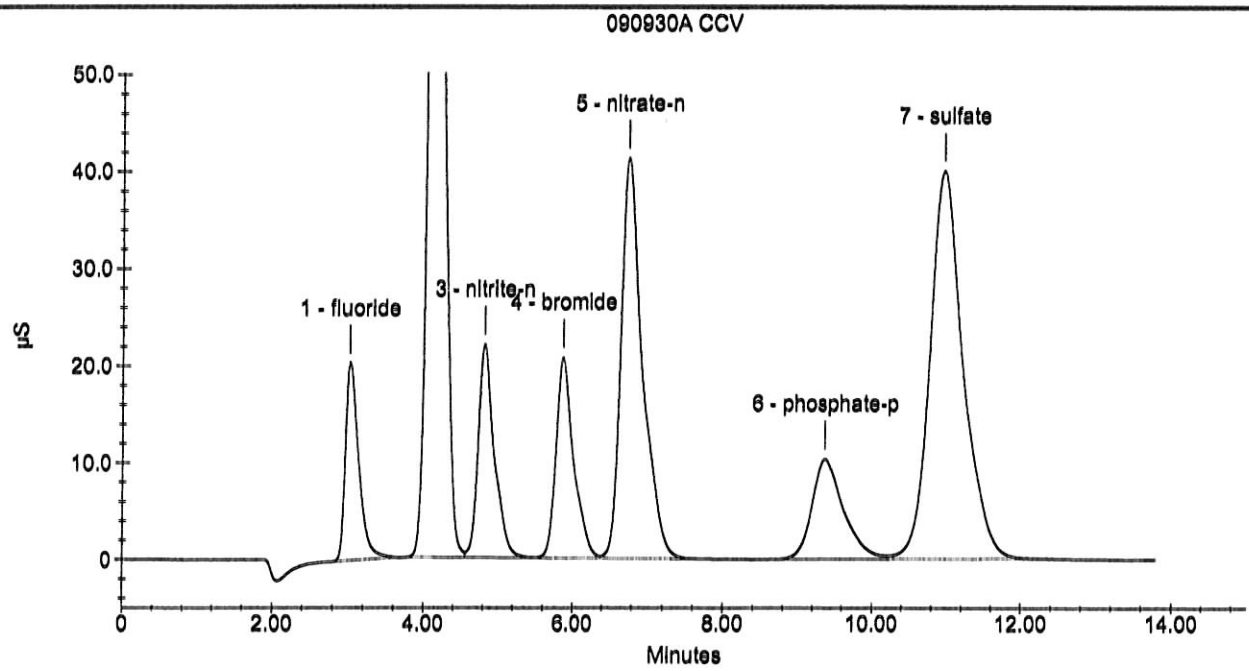
Sample Analysis Report

Sample Name : 090930A CCV
Data File Name : i:\dionex\d1anions\data\090930a\090930a_014.DXD

Method File Name : i:\dionex\d1anions\methods\epa300 09-28-09low.met
Date Time Collected : 9/30/09 15:42:06
System Operator : pd
Injection Number : 14
Multiplier : 1.00

Peak Information : All Peaks

Peak Number	Peak Retention Time	Component Name	Component Amount (mg/L)	Peak Area	Peak Height	Limit Exceed
1	3.01	fluoride	2.4148	2472579	203053	
2	4.12	chloride	23.9196	18507026	1582285	
3	4.81	nitrite-n	2.3476	3284852	219421	
4	5.87	bromide	12.0762	3414543	206612	
5	6.73	nitrate-n	4.8419	8029879	411531	
6	9.36	phosphate-p	4.9425	3071994	103145	
7	10.95	sulfate	24.4653	12371455	398914	



Sample Analysis Report

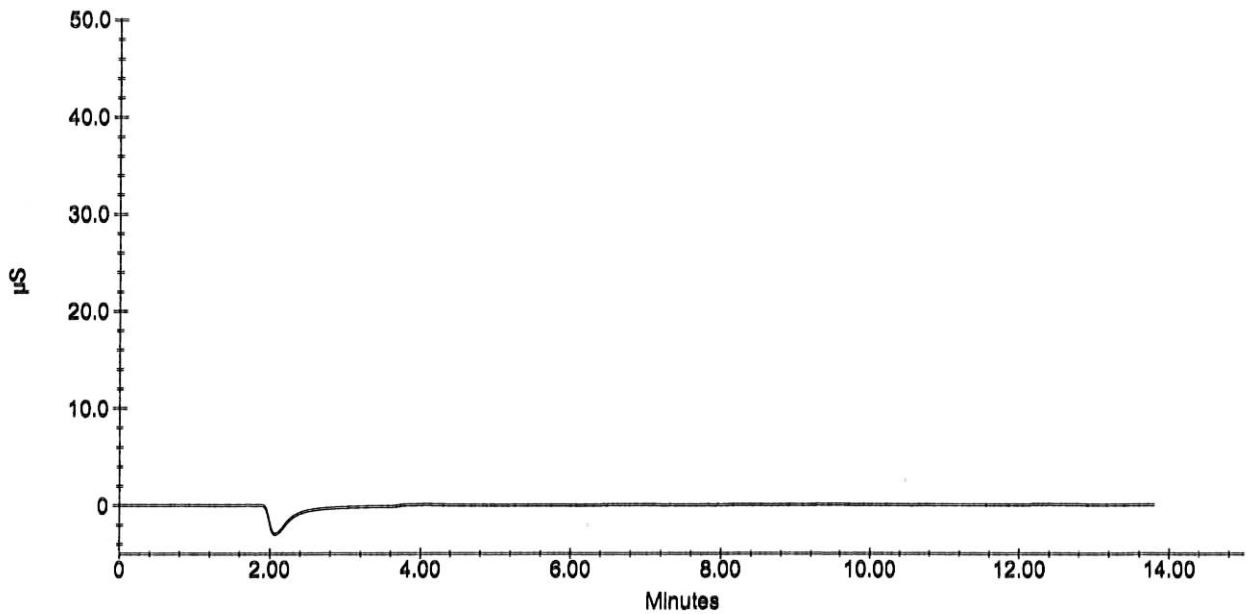
Sample Name : 090930A SULFITE/300 CCB
Data File Name : i:\dionex\d1anions\data\090930a\090930a_016.DXD

Method File Name : i:\dionex\d1anions\methods\epa300 09-28-09low.met
Date Time Collected : 9/30/09 16:14:24
System Operator : pd
Injection Number : 16
Multiplier : 1.00

Peak Information : All Peaks

Peak Number	Peak Retention Time	Component Name	Component Amount (mg/L)	Peak Area	Peak Height	Limit Exceed

090930A SULFITE/300 CCB



APPL, Inc.

Current Date : 9/30/09
Current Time : 16:30:42

Sample Analysis Report

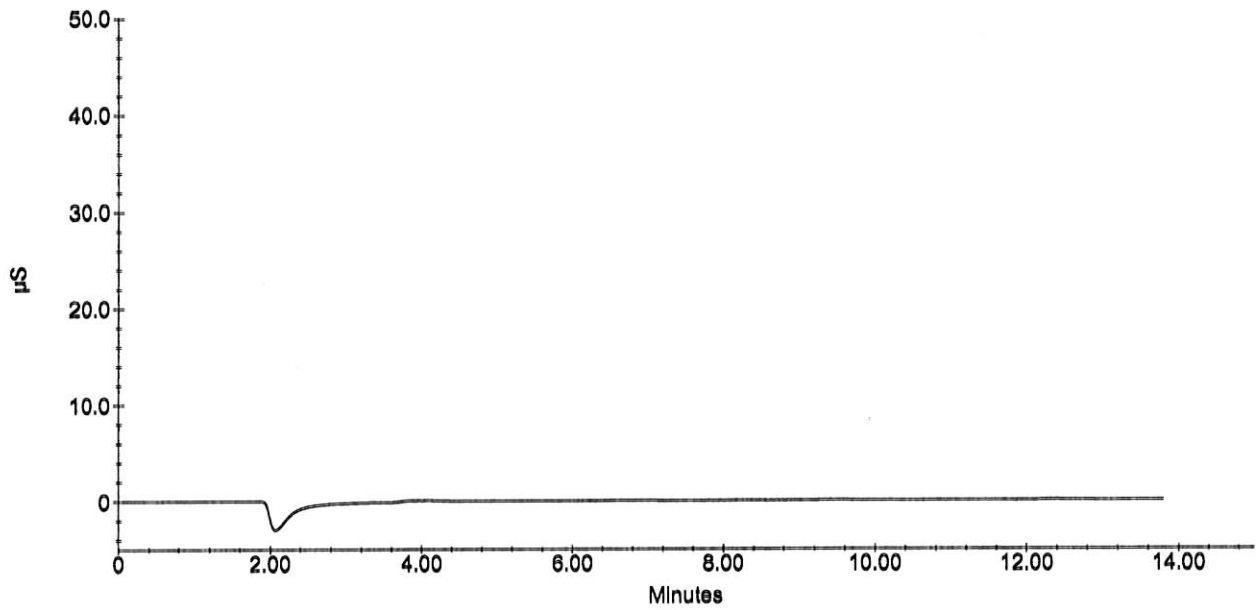
Sample Name : 090930A SULFITE/300 CCB
Data File Name : i:\dionex\d1anions\data\090930a\090930a_016.DXD

Method File Name : I:\DIONEX\D1ANIONS\METHODS\EPAsufite 08-25-09Low.met
Date Time Collected : 9/30/09 4:14:24 PM
System Operator : pd
Injection Number : 16
Multiplier : 1.00

Peak Information : All Peaks

Peak Number	Peak Retention Time	Component Name	Component Amount (mg/L)	Peak Area	Peak Height	Limit Exceed

090930A SULFITE/300 CCB



Sample Analysis Report

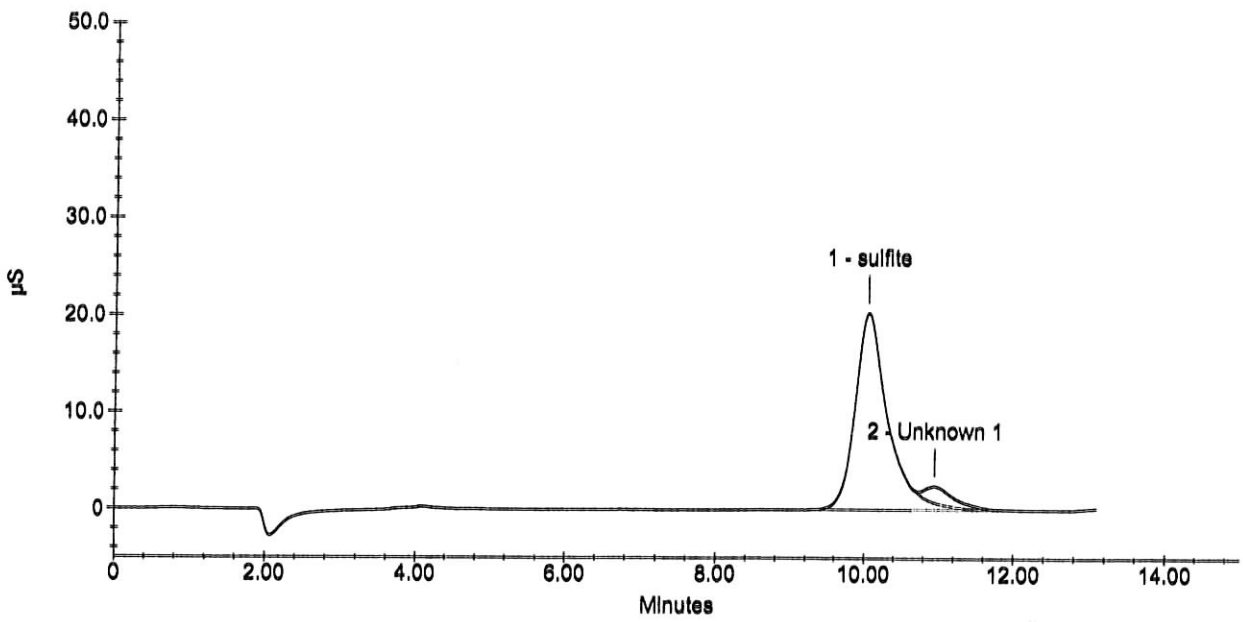
Sample Name : 090930A SULFITE CCV
Data File Name : i:\dionex\d1anions\data\090930a\090930a_019.DXD

Method File Name : i:\dionex\d1anions\methods\epasufite 08-25-09low.met
Date Time Collected : 9/30/09 17:13:13
System Operator : pd
Injection Number : 19
Multiplier : 1.00

Peak Information : All Peaks

Peak Number	Peak Retention Time	Component Name	Component Amount (mg/L)	Peak Area	Peak Height	Limit Exceed
1	10.04	sulfite	25.6646	6242263	202159	
2	10.95	Unknown 1	0.0000	477509	16798	

090930A SULFITE CCV



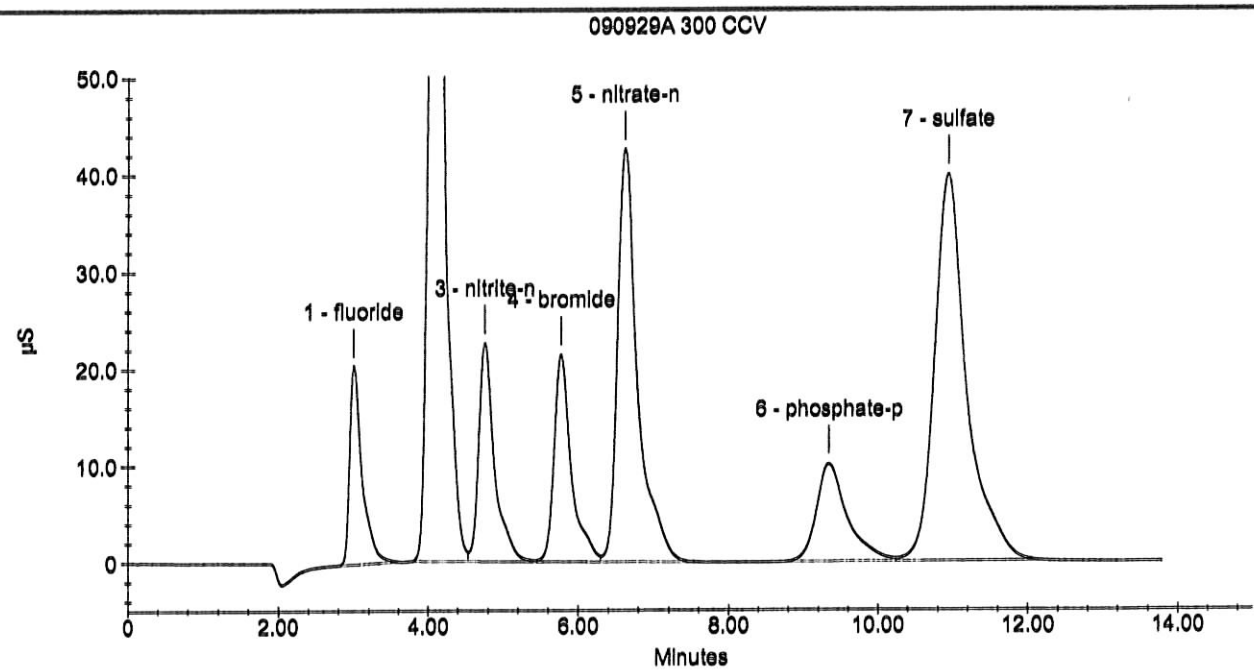
Sample Analysis Report

Sample Name : 090929A 300 CCV
Data File Name : i:\dionex\d1anions\data\090930a\091001a_081.DXD

Method File Name : i:\dionex\d1anions\methods\epa300 09-28-09low.met
Date Time Collected : 10/1/09 11:43:54
System Operator : pd
Injection Number : 81
Multiplier : 1.00

Peak Information : All Peaks

Peak Number	Peak Retention Time	Component Name	Component Amount (mg/L)	Peak Area	Peak Height	Limit Exceed
1	3.00	fluoride	2.2998	2351173	204031	
2	4.08	chloride	23.3547	18051237	1593901	
3	4.76	nitrite-n	2.3329	3263702	225063	
4	5.77	bromide	11.9760	3385588	213573	
5	6.61	nitrate-n	4.7584	7887496	424841	
6	9.35	phosphate-p	4.6663	2903109	100583	
7	10.93	sulfate	23.6176	11933319	398306	



Sample Analysis Report

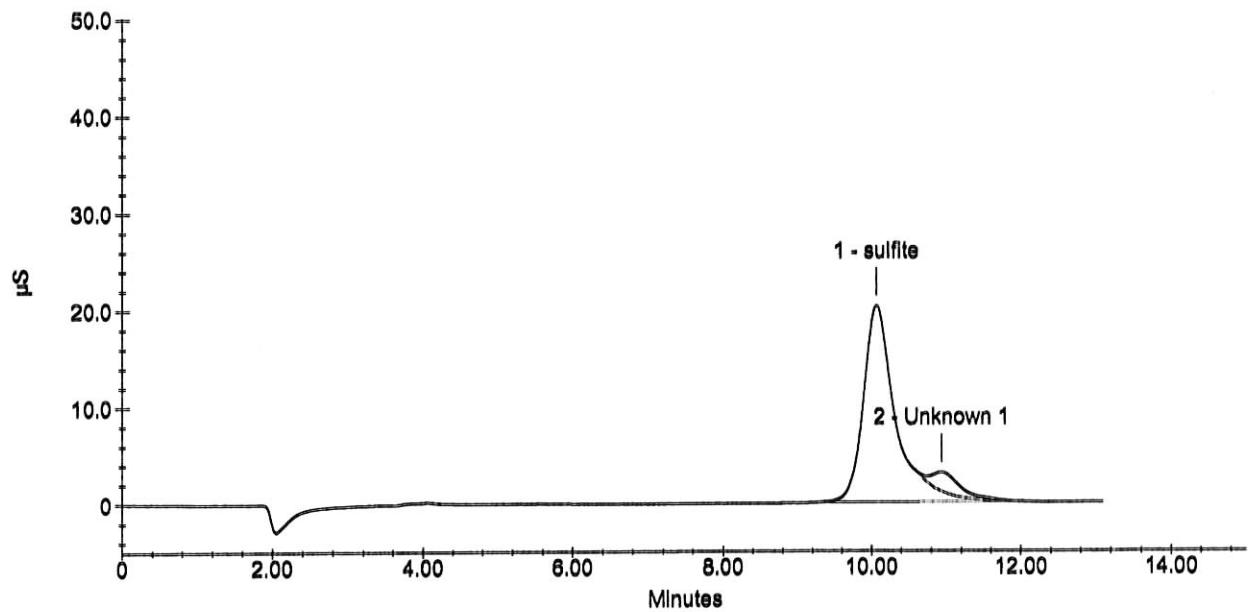
Sample Name : 091001A SULFITE CCV
Data File Name : i:\dionex\d1anions\data\090930a\091001a_083.DXD

Method File Name : i:\dionex\d1anions\methods\epasufite 08-25-09low.met
Date Time Collected : 10/1/09 12:22:07
System Operator : pd
Injection Number : 83
Multiplier : 1.00

Peak Information : All Peaks

Peak Number	Peak Retention Time	Component Name	Component Amount (mg/L)	Peak Area	Peak Height	Limit Exceed
1	10.05	sulfite	25.0744	6099135	201544	
2	10.93	Unknown 1	0.0000	551543	19758	

091001A SULFITE CCV



Sample Analysis Report

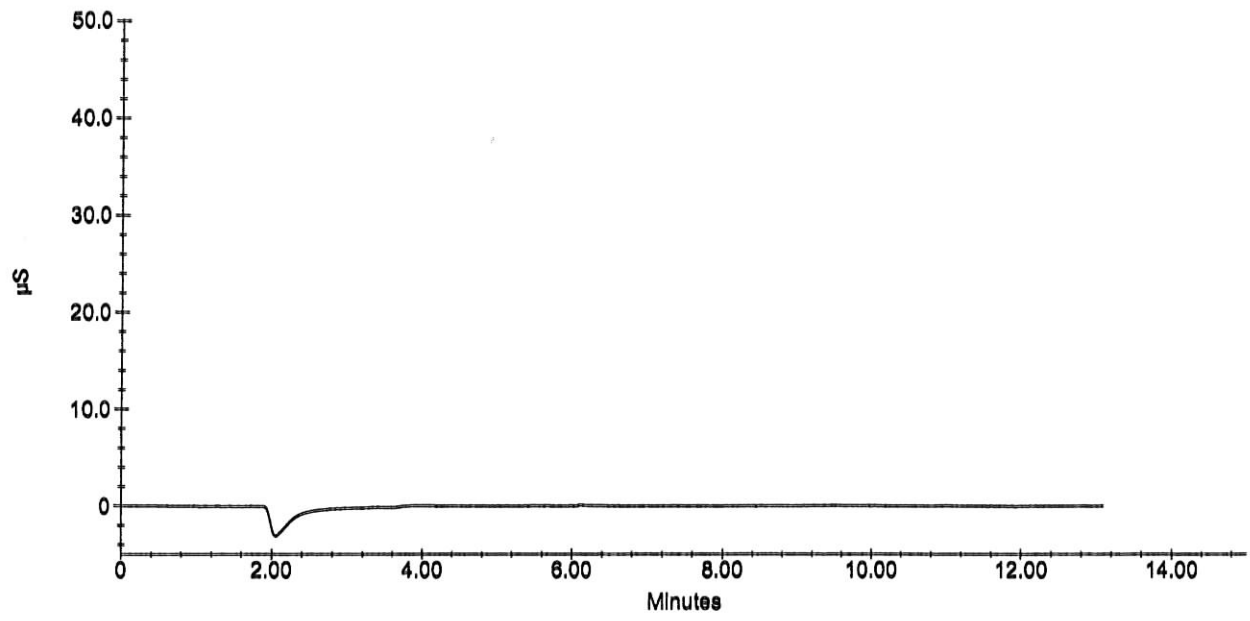
Sample Name : 090929A SULFITE/300 CCB
Data File Name : i:\dionex\d1anions\data\090930a\091001a_084.DXD

Method File Name : I:\DIONEX\D1ANIONS\METHODS\EPA300 09-28-09Low.met
Date Time Collected : 10/1/09 12:37:52
System Operator : pd
Injection Number : 84
Multiplier : 1.00

Peak Information : All Peaks

Peak Number	Peak Retention Time	Component Name	Component Amount (mg/L)	Peak Area	Peak Height	Limit Exceed

090929A SULFITE/300 CCB



Sample Analysis Report

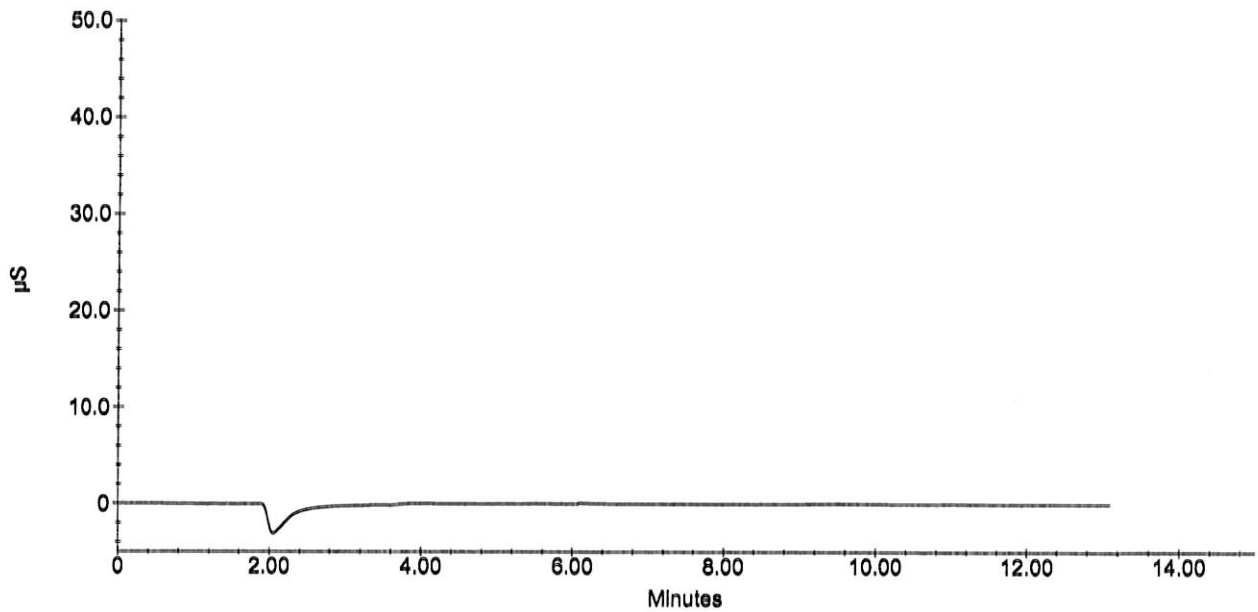
Sample Name : 090929A SULFITE/300 CCB
Data File Name : i:\dionex\d1anions\data\090930a\091001a_084.DXD

Method File Name : I:\DIONEX\D1ANIONS\METHODS\EPAsufite 08-25-09Low.met
Date Time Collected : 10/1/09 12:37:52 PM
System Operator : pd
Injection Number : 84
Multiplier : 1.00

Peak Information : All Peaks

Peak Number	Peak Retention Time	Component Name	Component Amount (mg/L)	Peak Area	Peak Height	Limit Exceed

090929A SULFITE/300 CCB



APPL, Inc.

Current Date : 10/6/09
Current Time : 10:55:04 AM

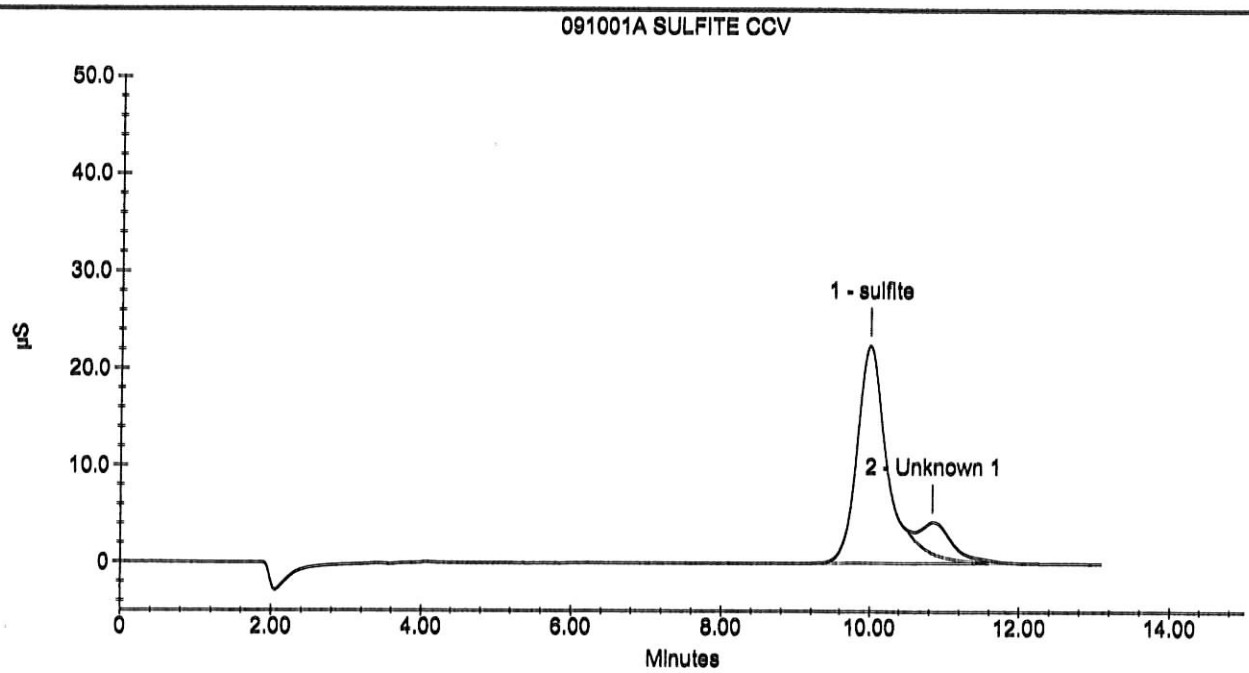
Sample Analysis Report

Sample Name : 091001A SULFITE CCV
Data File Name : i:\dionex\d1anions\data\090930a\091001a_096.DXD

Method File Name : i:\dionex\d1anions\methods\epasufite 08-25-09low.met
Date Time Collected : 10/1/09 15:53:41
System Operator : pd
Injection Number : 96
Multiplier : 1.00

Peak Information : All Peaks

Peak Number	Peak Retention Time	Component Name	Component Amount (mg/L)	Peak Area	Peak Height	Limit Exceed
1	9.99	sulfite	27.0301	6573464	223898	
2	10.84	Unknown 1	0.0000	963133	32257	



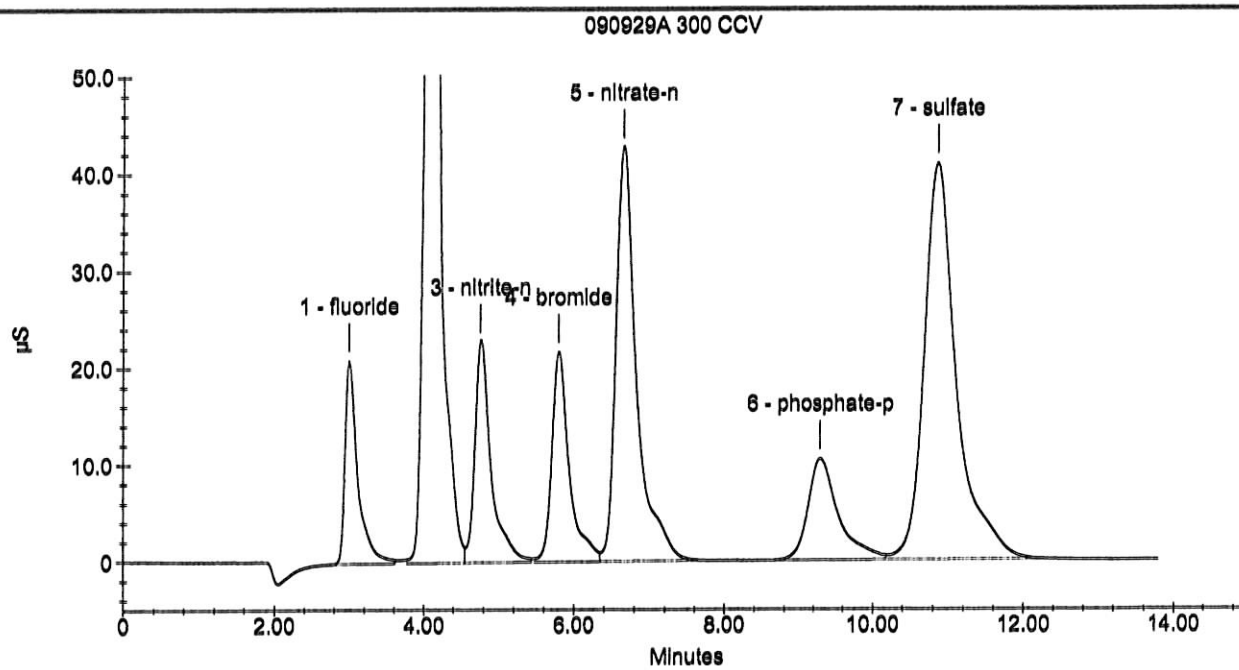
Sample Analysis Report

Sample Name : 090929A 300 CCV
Data File Name : i:\dionex\d1anions\data\090930a\091001a_097.DXD

Method File Name : i:\dionex\d1anions\methods\epa300 09-28-09low.met
Date Time Collected : 10/1/09 16:09:22
System Operator : pd
Injection Number : 97
Multiplier : 1.00

Peak Information : All Peaks

Peak Number	Peak Retention Time	Component Name	Component Amount (mg/L)	Peak Area	Peak Height	Limit Exceed
1	3.00	fluoride	2.4368	2495741	208974	
2	4.08	chloride	23.7520	18371851	1599379	
3	4.76	nitrite-n	2.4550	3438812	227158	
4	5.80	bromide	12.3840	3503471	216258	
5	6.65	nitrate-n	4.8268	8004147	426117	
6	9.29	phosphate-p	4.8688	3026891	104497	
7	10.87	sulfate	24.0535	12158632	408333	



Sample Analysis Report

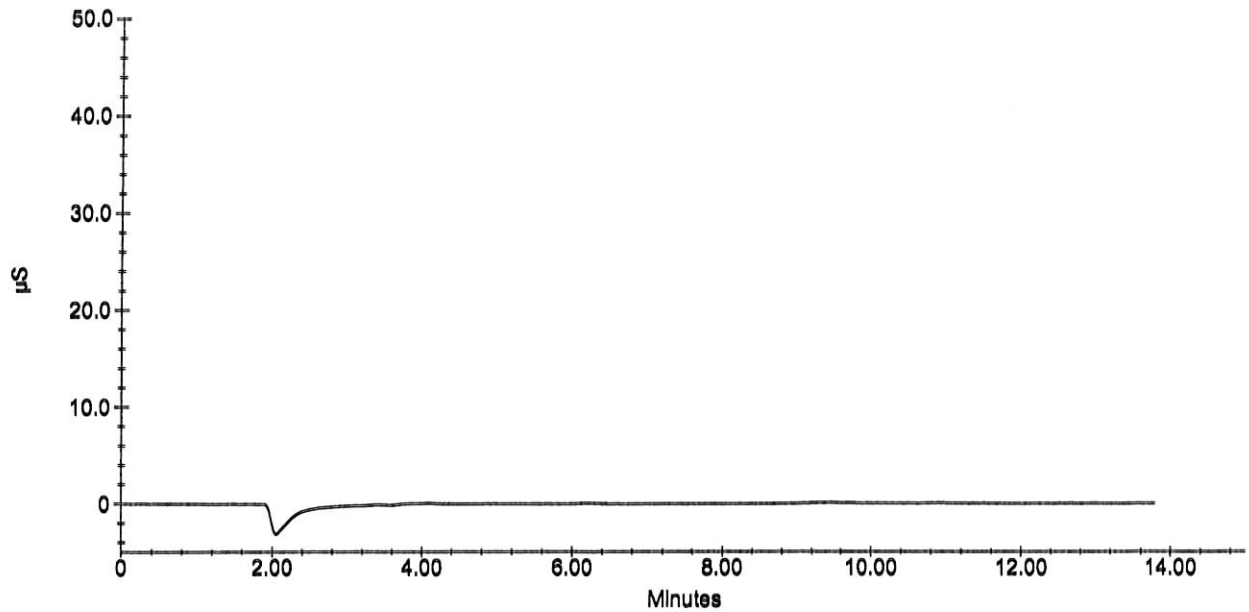
Sample Name : 091001A SULFITE/300 CCB
Data File Name : i:\dionex\d1anions\data\090930a\091001a_098.DXD

Method File Name : i:\dionex\d1anions\methods\epa300 09-28-09low.met
Date Time Collected : 10/1/09 16:26:00
System Operator : pd
Injection Number : 98
Multiplier : 1.00

Peak Information : All Peaks

Peak Number	Peak Retention Time	Component Name	Component Amount (mg/L)	Peak Area	Peak Height	Limit Exceed

091001A SULFITE/300 CCB



Sample Analysis Report

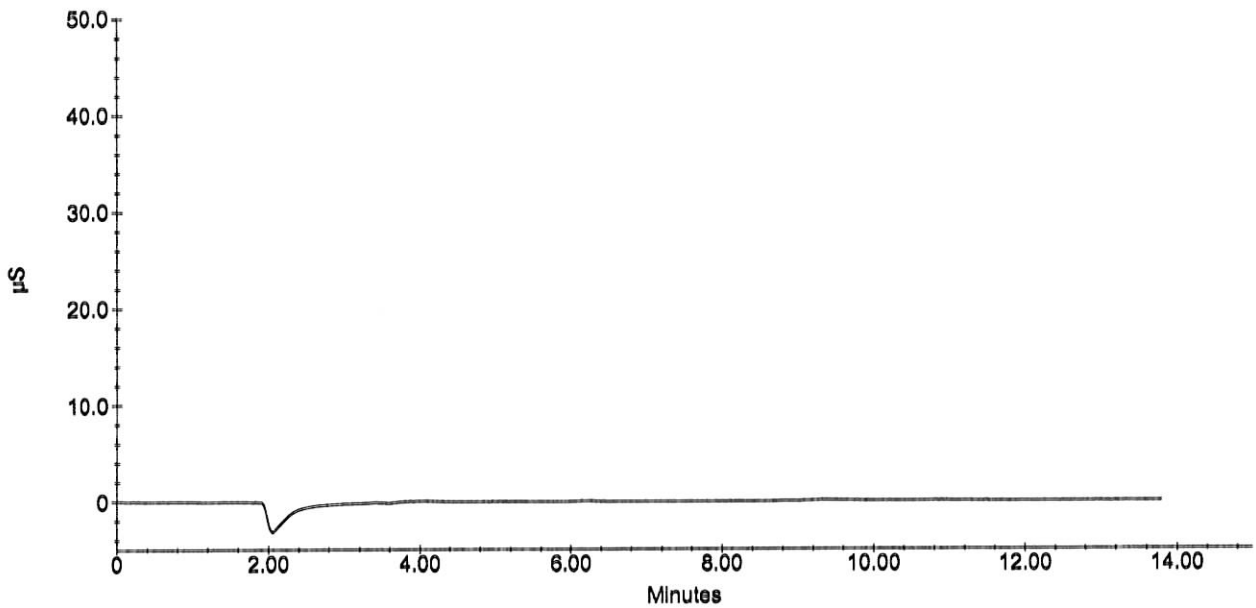
Sample Name : 091001A SULFITE/300 CCB
Data File Name : i:\dionex\d1anions\data\090930a\091001a_098.DXD

Method File Name : I:\DIONEX\D1ANIONS\METHODS\EPAsufite 08-25-09Low.met
Date Time Collected : 10/1/09 4:26:00 PM
System Operator : pd
Injection Number : 98
Multiplier : 1.00

Peak Information : All Peaks

Peak Number	Peak Retention Time	Component Name	Component Amount (mg/L)	Peak Area	Peak Height	Limit Exceed

091001A SULFITE/300 CCB



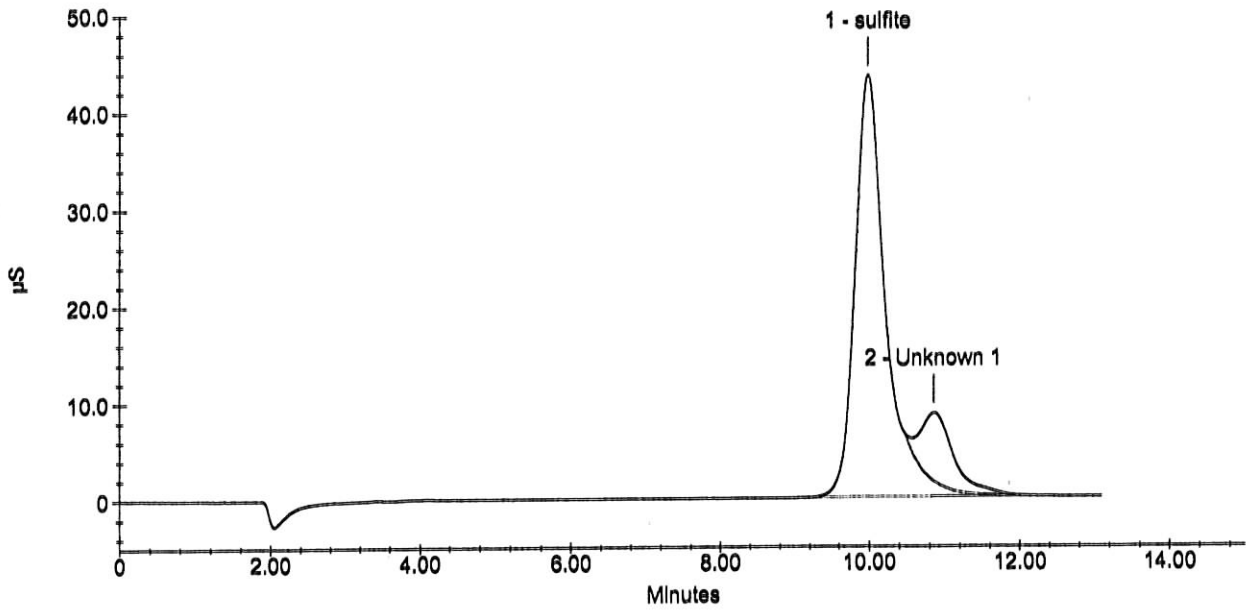
Sample Analysis Report

Sample Name : 091001A SULFITE CCV
Data File Name : i:\dionex\d1anions\data\090930a\091001a_100.DXD

Method File Name : i:\dionex\d1anions\methods\epasufite 08-25-09low.met
Date Time Collected : 10/1/09 16:58:47
System Operator : pd
Injection Number : 100
Multiplier : 1.00

Peak Information : All Peaks

Peak Number	Peak Retention Time	Component Name	Component Amount (mg/L)	Peak Area	Peak Height	Limit Exceed
1	9.97	sulfite	50.9528	12375720	433272	+
2	10.85	Unknown 1	0.0000	2160366	70729	



Sample Analysis Report

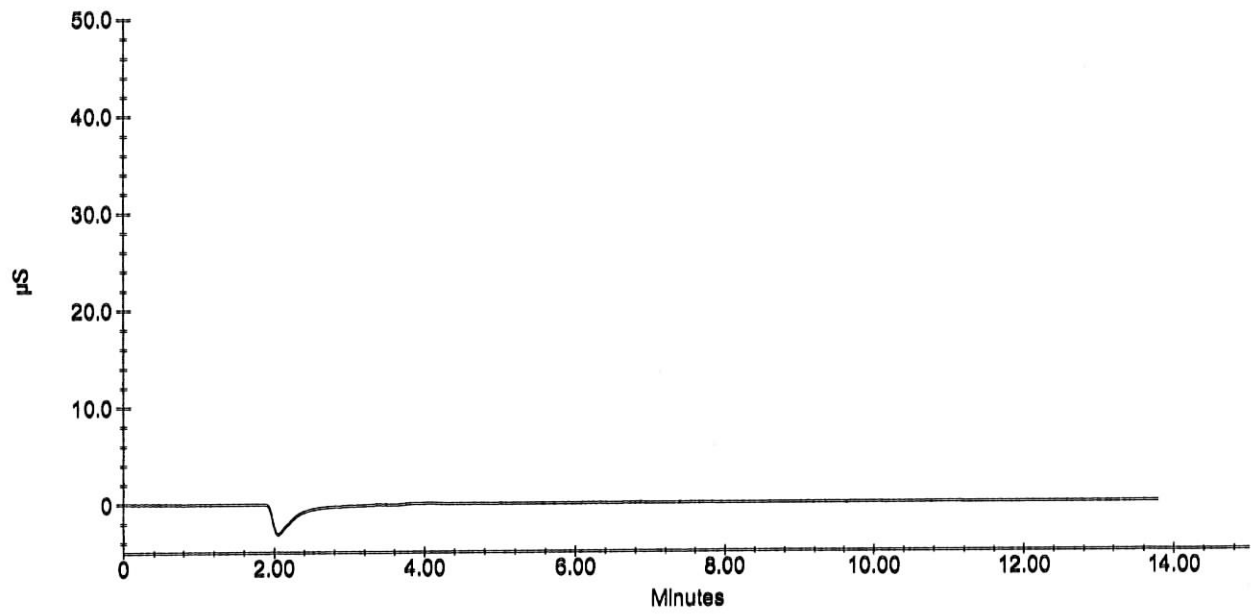
Sample Name : 091001A SULFITE/300 CCB
Data File Name : i:\dionex\d1anions\data\090930a\091001a_101.DXD

Method File Name : i:\dionex\d1anions\methods\epa300 09-28-09low.met
Date Time Collected : 10/1/09 17:14:32
System Operator : pd
Injection Number : 101
Multiplier : 1.00

Peak Information : All Peaks

Peak Number	Peak Retention Time	Component Name	Component Amount (mg/L)	Peak Area	Peak Height	Limit Exceed

091001A SULFITE/300 CCB



Sample Analysis Report

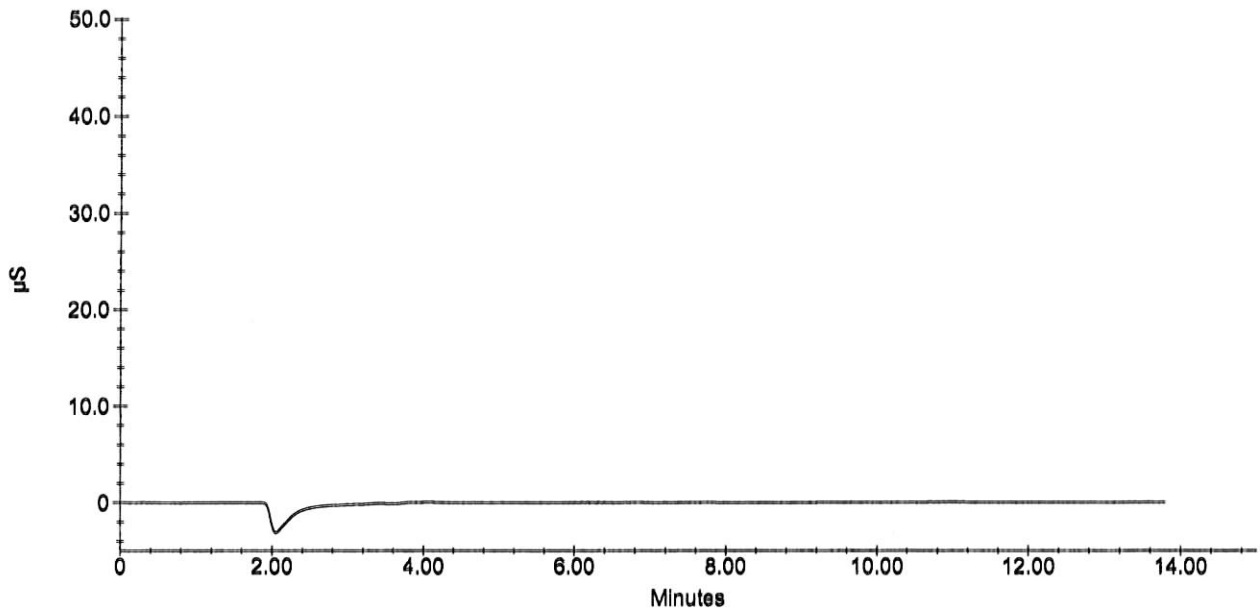
Sample Name : 091001A SULFITE/300 CCB
Data File Name : i:\dionex\d1anions\data\090930a\091001a_101.DXD

Method File Name : I:\DIONEX\D1ANIONS\METHODS\EPAsufite 08-25-09Low.met
Date Time Collected : 10/1/09 17:14:32
System Operator : pd
Injection Number : 101
Multiplier : 1.00

Peak Information : All Peaks

Peak Number	Peak Retention Time	Component Name	Component Amount (mg/L)	Peak Area	Peak Height	Limit Exceed

091001A SULFITE/300 CCB



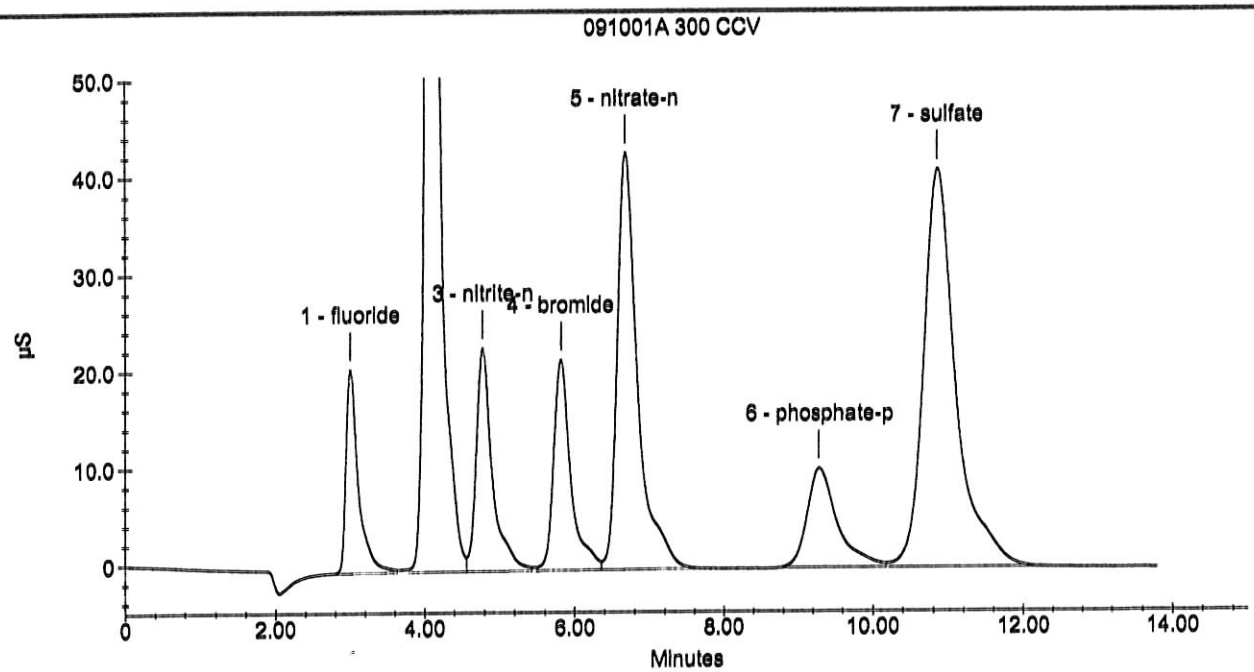
Sample Analysis Report

Sample Name : 091001A 300 CCV
Data File Name : i:\dionex\d1anions\data\090930a\091001a_109.DXD

Method File Name : i:\dionex\d1anions\methods\epa300 09-28-09low.met
Date Time Collected : 10/1/09 19:26:35
System Operator : pd
Injection Number : 109
Multiplier : 1.00

Peak Information : All Peaks

Peak Number	Peak Retention Time	Component Name	Component Amount (mg/L)	Peak Area	Peak Height	Limit Exceed
1	3.00	fluoride	2.3758	2431446	209303	
2	4.09	chloride	23.7323	18355938	1624940	
3	4.77	nitrite-n	2.4413	3419128	229857	
4	5.81	bromide	12.3481	3493115	216840	
5	6.67	nitrate-n	4.8116	7978267	428096	
6	9.28	phosphate-p	4.6968	2921743	102137	
7	10.84	sulfate	24.0302	12146561	409150	



INORGANIC ANALYSIS
Raw Data

APPL, INC.

WETLAB BLANK

APPL Inc.
908 North Temperance Avenue
Clovis, CA 93611

Method	Analyte	Result	PQL	Units	Prep Date	Anal Date	QC Group
EPA 300.0	Fluoride	Not detected	1.0	mg/L	09/24/09	09/24/09	$300WS-090924A-AY0394
EPA 300.0	Sulfate/Sulfite total	Not detected	5.0	mg/L	09/24/09	09/24/09	$300WS-090924A-AY0394
EPA 300.0	Fluoride	Not detected	1.0	mg/L	09/25/09	09/25/09	$300WS-090925A-AY0395
EPA 300.0	Sulfate/Sulfite total	Not detected	5.0	mg/L	09/25/09	09/25/09	$300WS-090925A-AY0395
EPA 300.0	Fluoride	Not detected	1.0	mg/L	09/29/09	09/29/09	$300WS-090929A-AY0396
EPA 300.0	Sulfate/Sulfite total	Not detected	5.0	mg/L	09/29/09	09/29/09	$300WS-090929A-AY0396
EPA 300.0	Fluoride	Not detected	1.0	mg/L	09/30/09	09/30/09	$300WS-090930A-AY0398
EPA 300.0	Sulfate/Sulfite total	Not detected	5.0	mg/L	09/30/09	09/30/09	$300WS-090930A-AY0398
EPA 300.0	Fluoride	Not detected	1.0	mg/L	10/01/09	10/01/09	$300WS-090929A1-AY039
EPA 300.0	Sulfate/Sulfite total	Not detected	5.0	mg/L	10/01/09	10/01/09	$300WS-090929A1-AY039

Printed: 10/07/09 4:42:00 PM

Laboratory Control Spike Recovery

WETLAB

APPL Inc.
908 North Temperance Avenue
Clovis, CA 93611

Method	Compound Name	Spike Level mg/L	SPK Result mg/L	SPK % Recovery	Recovery Limits	Extract Date	Analysis Date	QC Group
EPA 300.0	Fluoride	5.00	5.09	102	90-110	09/24/09	09/24/09	S300WS-090924A-AY03948
EPA 300.0	Sulfate/Sulfite total	50.0	50.6	101	90-110	09/24/09	09/24/09	S300WS-090924A-AY03948

Comments: _____

Printed: 10/07/09 4:42:02 PM
APPL Standard LCS

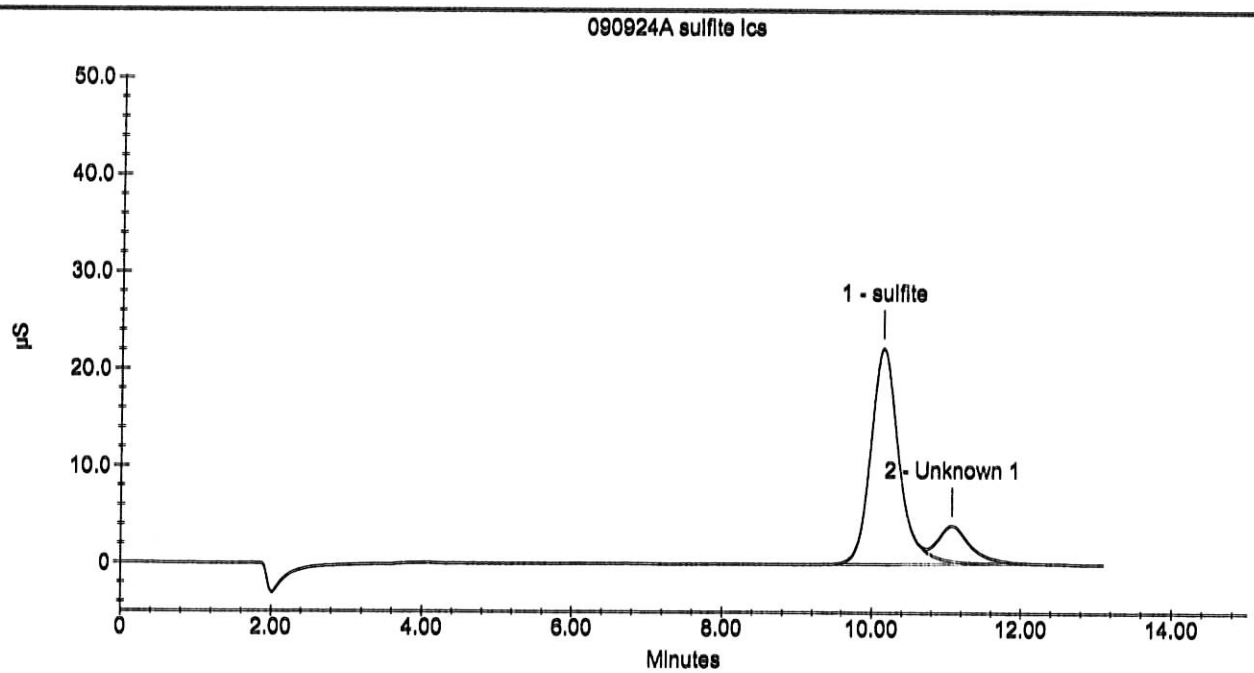
Sample Analysis Report

Sample Name : 090924A sulfite lcs
Data File Name : i:\dionex\d1anions\data\090924a\090924a_014.DXD

Method File Name : i:\dionex\d1anions\methods\epasufite 08-25-09low.met
Date Time Collected : 9/24/09 12:14:38
System Operator : pd
Injection Number : 14
Multiplier : 1.00

Peak Information : All Peaks

Peak Number	Peak Retention Time	Component Name	Component Amount (mg/L)	Peak Area	Peak Height	Limit Exceed
1	10.13	sulfite	24.0022	5839071	221620	
2	11.07	Unknown 1	0.0000	1079043	36551	



Laboratory Control Spike Recovery

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APPL Inc.
908 North Temperance Avenue
Clovis, CA 93611

Method	Compound Name	Spike Level mg/L	SPK Result mg/L	SPK % Recovery	Recovery Limits	Extract Date	Analysis Date	QC Group
EPA 300.0	Fluoride	5.00	5.12	102	90-110	09/25/09	09/25/09	$300WS-090925A-AY03958
EPA 300.0	Sulfate/Sulfite total	50.0	47.8	95.6	90-110	09/25/09	09/25/09	$300WS-090925A-AY03958

Comments: _____

Sample Analysis Report

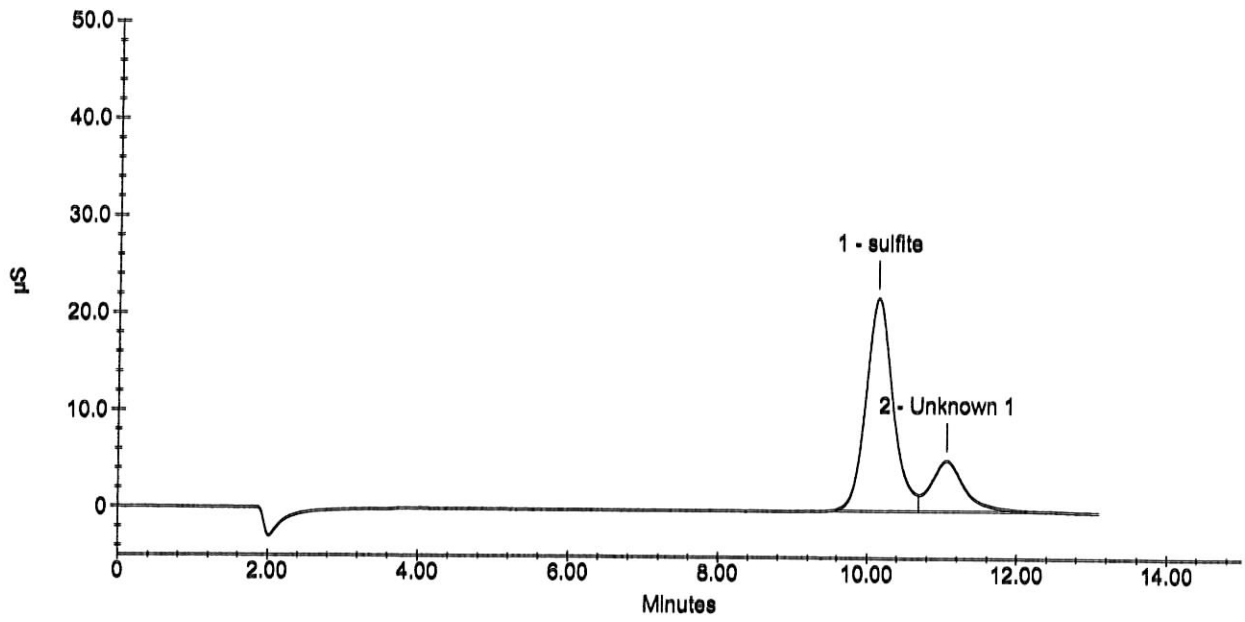
Sample Name : 090925A sulfite lcs
Data File Name : i:\dionex\d1anions\data\090925a\090925a_003.DXD

Method File Name : i:\dionex\d1anions\methods\epasufite 08-25-09low.met
Date Time Collected : 9/25/09 08:28:04
System Operator : pd
Injection Number : 3
Multiplier : 1.00

Peak Information : All Peaks

Peak Number	Peak Retention Time	Component Name	Component Amount (mg/L)	Peak Area	Peak Height	Limit Exceed
1	10.12	sulfite	22.8193	5552165	218410	
2	11.05	Unknown 1	0.0000	1630046	51994	

090925A sulfite lcs



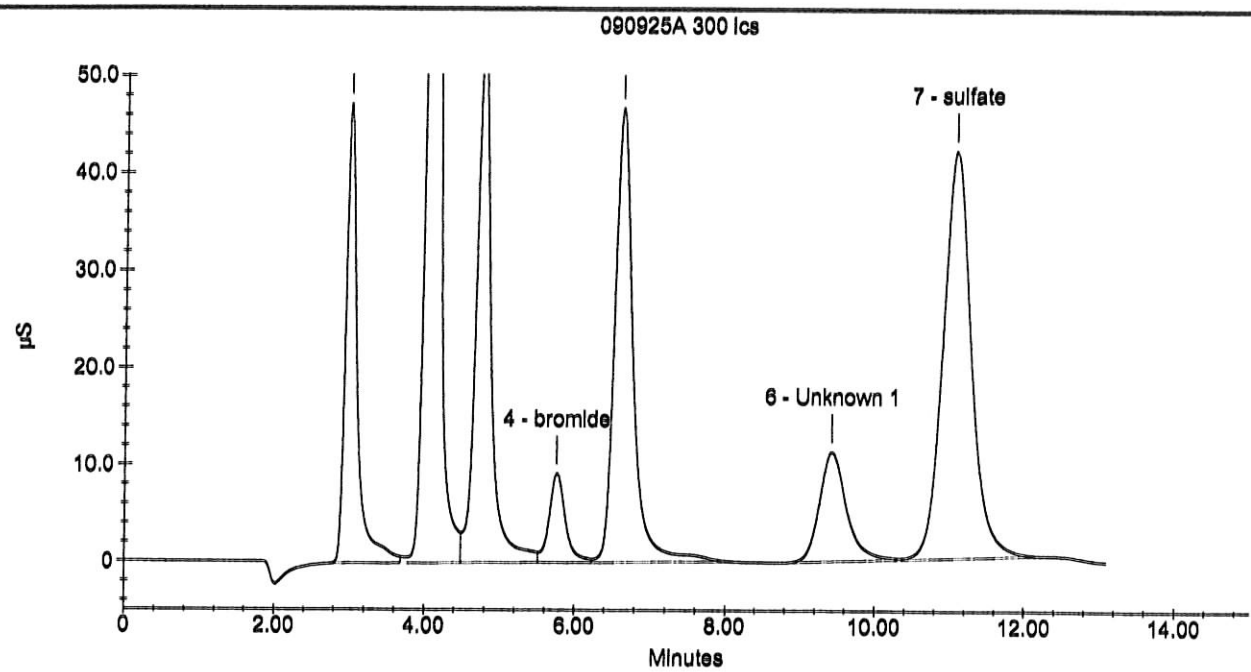
Sample Analysis Report

Sample Name : 090925A 300 lcs
Data File Name : i:\dionex\d1anions\data\090925a\090925a_005.DXD

Method File Name : I:\DIONEX\D1ANIONS\METHODS\EPA300 09-08-09Low.met
Date Time Collected : 9/25/09 08:59:37
System Operator : pd
Injection Number : 5
Multiplier : 1.00

Peak Information : All Peaks

Peak Number	Peak Retention Time	Component Name	Component Amount (mg/L)	Peak Area	Peak Height	Limit Exceed
1	2.99	fluoride	5.1190	5054041	472404	+
2	4.07	chloride	25.3061	17692067	1751373	
3	4.73	nitrite-n	5.9056	7388161	534366	+
4	5.75	bromide	5.6648	1385095	91214	
5	6.60	nitrate-n	5.3655	7929226	466603	
6	9.41	Unknown 1	0.0000	2875448	112768	
7	11.05	sulfate	24.9748	11027117	418883	



APPL, Inc.

Current Date : 9/25/09
Current Time : 09:21:57

Laboratory Control Spike Recovery

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APPL Inc.
908 North Temperance Avenue
Clovis, CA 93611

Method	Compound Name	Spike Level mg/L	SPK Result mg/L	SPK % Recovery	Recovery Limits	Extract Date	Analysis Date	QC Group
EPA 300.0	Fluoride	5.00	4.86	97.2	90-110	09/29/09	09/29/09	S300WS-090929A-AY03968
EPA 300.0	Sulfate/Sulfite total	50.0	47.8	95.6	90-110	09/29/09	09/29/09	S300WS-090929A-AY03968

311

Comments: _____

Printed: 10/07/09 4:42:02 PM
APPL Standard LCS

Sample Analysis Report

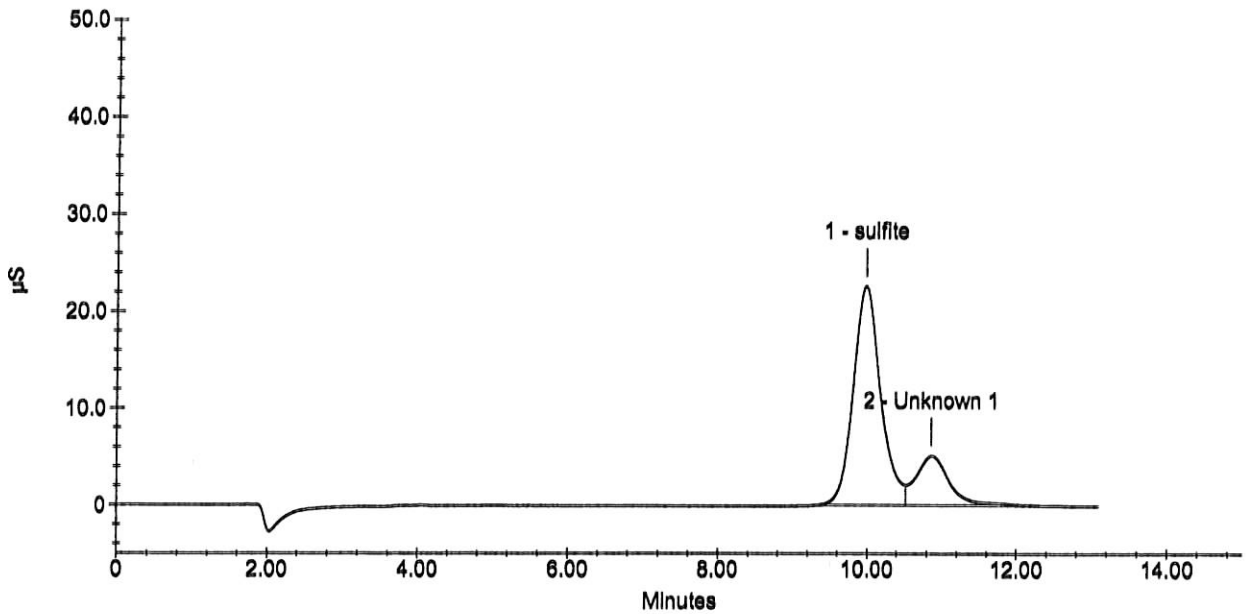
Sample Name : 090929A SULFITE LCS
Data File Name : i:\dionex\d1anions\data\090929a\090929a_003.DXD

Method File Name : i:\dionex\d1anions\methods\epasufite 08-25-09low.met
Date Time Collected : 9/29/09 08:07:11
System Operator : pd
Injection Number : 3
Multiplier : 1.00

Peak Information : All Peaks

Peak Number	Peak Retention Time	Component Name	Component Amount (mg/L)	Peak Area	Peak Height	Limit Exceed
1	9.97	sulfite	23.7614	5780665	225204	
2	10.85	Unknown 1	0.0000	1592414	50831	

090929A SULFITE LCS



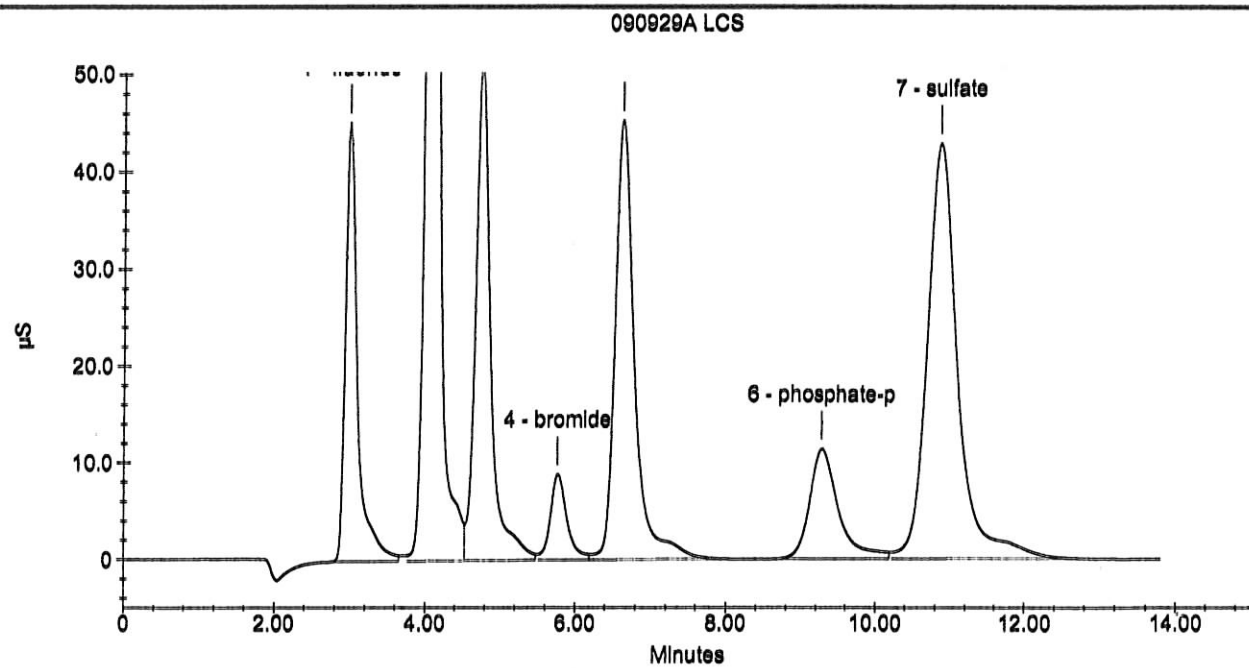
Sample Analysis Report

Sample Name : 090929A LCS
Data File Name : i:\dionex\d1anions\data\090929a\090929a_005.DXD

Method File Name : i:\dionex\d1anions\methods\epa300 09-28-09low.met
Date Time Collected : 9/29/09 08:39:28
System Operator : pd
Injection Number : 5
Multiplier : 1.00

Peak Information : All Peaks

Peak Number	Peak Retention Time	Component Name	Component Amount (mg/L)	Peak Area	Peak Height	Limit Exceed
1	2.99	fluoride	4.8620	5055121	451520	
2	4.07	chloride	23.4081	18094329	1699835	
3	4.75	nitrite-n	5.0303	7130971	512875	+
4	5.76	bromide	4.9543	1356550	88033	
5	6.61	nitrate-n	4.8495	8042865	451885	
6	9.27	phosphate-p	4.9899	3100932	113174	
7	10.85	sulfate	24.0417	12152535	427366	



Laboratory Control Spike Recovery

WETLAB

APPL Inc.
908 North Temperance Avenue
Clovis, CA 93611

Method	Compound Name	Spike Level mg/L	SPK Result mg/L	SPK % Recovery	Recovery Limits	Extract Date	Analysis Date	QC Group
EPA 300.0	Fluoride	5.00	4.83	96.6	90-110	09/30/09	09/30/09	$300WS-090930A-AY03981
EPA 300.0	Sulfate/Sulfite total	50.0	48.2	96.4	90-110	09/30/09	09/30/09	$300WS-090930A-AY03981

Comments: _____

Sample Analysis Report

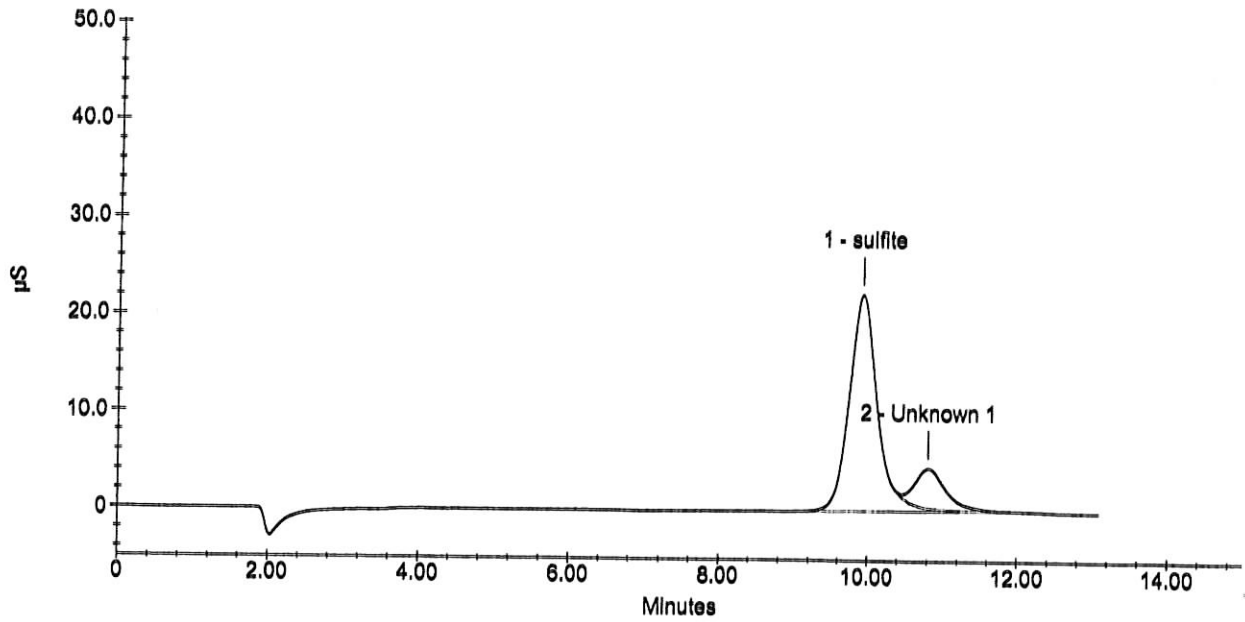
Sample Name : 090930A SULFITE LCS
Data File Name : i:\dionex\d1anions\data\090930a\090930a_003.DXD

Method File Name : i:\dionex\d1anions\methods\epasufite 08-25-09low.met
Date Time Collected : 9/30/09 11:12:18
System Operator : pd
Injection Number : 3
Multiplier : 1.00

Peak Information : All Peaks

Peak Number	Peak Retention Time	Component Name	Component Amount (mg/L)	Peak Area	Peak Height	Limit Exceed
1	9.91	sulfite	24.1266	5869255	222649	
2	10.80	Unknown 1	0.0000	1178861	41023	

090930A SULFITE LCS



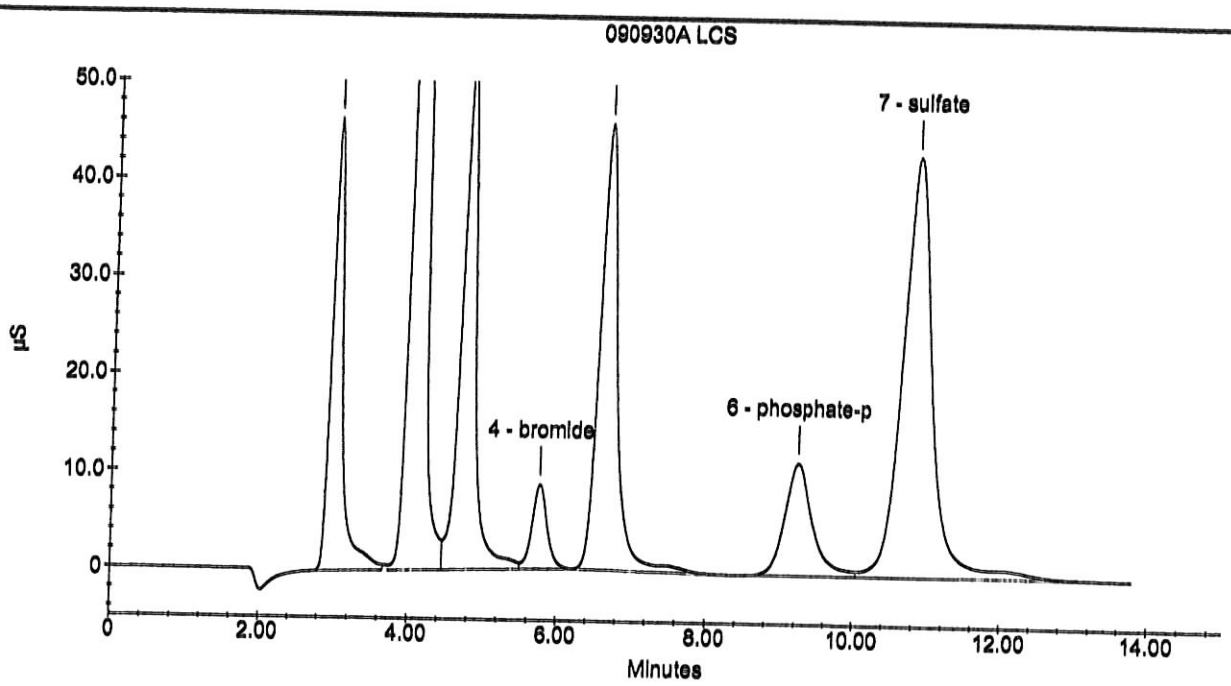
Sample Analysis Report

Sample Name : 090930A LCS
Data File Name : I:\DIONEX\D1ANIONS\DATA\090930A\090930a_005.DXD

Method File Name : I:\DIONEX\D1ANIONS\METHODS\EPA300 09-28-09Low.met
Date Time Collected : 9/30/09 11:44:34 AM
System Operator : pd
Injection Number : 5
Multiplier : 1.00

Peak Information : All Peaks

Peak Number	Peak Retention Time	Component Name	Component Amount (mg/L)	Peak Area	Peak Height	Limit Exceed
1	2.97	fluoride	4.825	5016491	463259	
2	4.05	chloride	22.911	17693232	1715742	
3	4.72	nitrite-n	5.127	7268834	525612	+
4	5.75	bromide	4.499	1224969	86339	
5	6.60	nitrate-n	4.692	7774568	456737	
6	9.21	phosphate-p	4.924	3060691	115222	
7	10.77	sulfate	24.115	12190373	429997	



APPL, Inc.

Current Date : 10/1/09
Current Time : 12:47:35 PM

Laboratory Control Spike Recovery

WETLAB

APPL Inc.
908 North Temperance Avenue
Clovis, CA 93611

Method	Compound Name	Spike Level mg/L	SPK Result mg/L	SPK % Recovery	Recovery Limits	Extract Date	Analysis Date	QC Group
EPA 300.0	Fluoride	5.00	4.94	98.8	90-110	10/01/09	10/01/09	$300WS-090929A1-AY03985
EPA 300.0	Sulfate/Sulfite total	50.0	47.5	95.0	90-110	10/01/09	10/01/09	$300WS-090929A1-AY03985

Comments: _____

Sample Analysis Report

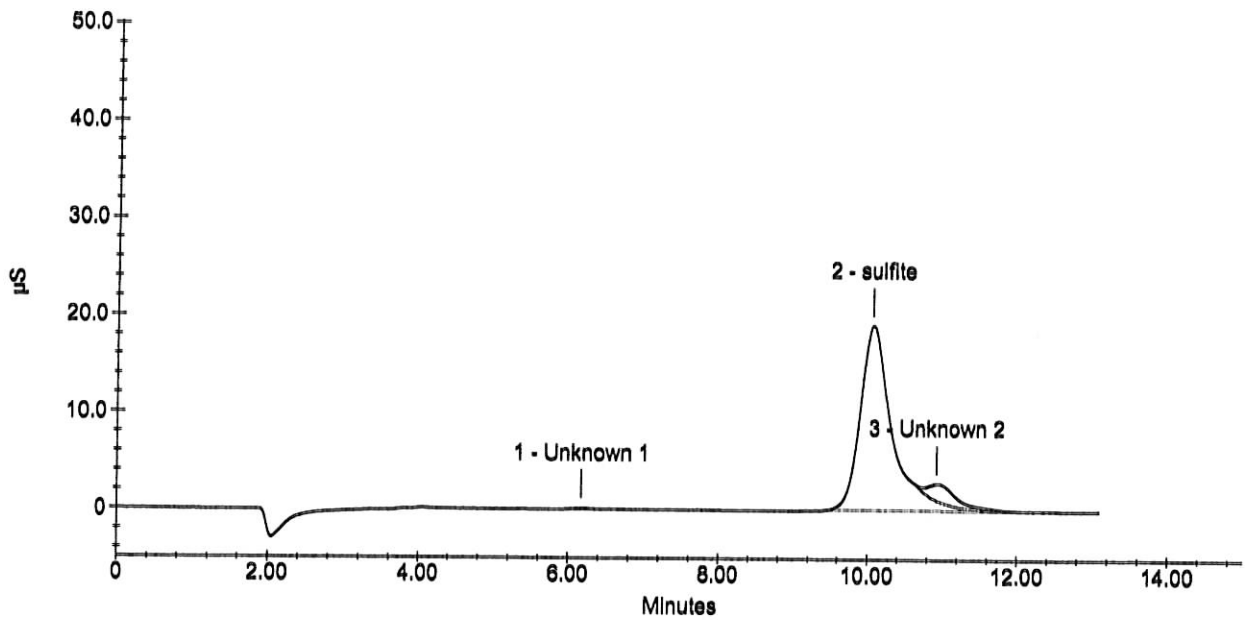
Sample Name : 091001A SULFITE LCS
Data File Name : i:\dionex\d1anions\data\090930a\091001a_085.DXD

Method File Name : i:\dionex\d1anions\methods\epasufite 08-25-09low.met
Date Time Collected : 10/1/09 12:53:31
System Operator : pd
Injection Number : 85
Multiplier : 1.00

Peak Information : All Peaks

Peak Number	Peak Retention Time	Component Name	Component Amount (mg/L)	Peak Area	Peak Height	Limit Exceed
1	6.17	Unknown 1	0.0000	12539	882	
2	10.05	sulfite	23.4419	5703184	189862	
3	10.92	Unknown 2	0.0000	500276	17178	

091001A SULFITE LCS



APPL, Inc.

Current Date : 10/1/09
Current Time : 13:09:08

PD
08/25/09
08/26/09

PD

Hexavalent Chromium - EPA Method 7199/218.6 prepared 08/25/09

Intermediate Stock Standards

1mL	100ppm	Cr+6 intermediate EXP.02/01/1	/100 mL DI H2O	=>	1000ppb	Cr+6
1mL	100ppm	Cr+6 intermediate EXP.02/01/1	/100 mLs DI H2O	=>	1000ppb	Cr+6 ICV

Calibration Standards

1mL	1000ppb	Cr+6 perpared 8/25//09	/50 mL DI H2O	=>	20ppb	Cr+6
1mL	1000ppb	Cr+6 perpared 8/25//09	/100 mLs DI H2O	=>	10ppb	Cr+6
0.5mL	1000ppb	Cr+6 perpared 8/25//09	/100 mL DI H2O	=>	5ppb	Cr+6
0.1mL	1000ppb	Cr+6 perpared 8/25//09	/100 mL DI H2O	=>	1ppb	Cr+6
0.05mL	1000ppb	Cr+6 perpared 8/25//09	/100 mL DI H2O	=>	0.5ppb	Cr+6
1mL	10ppb	Cr+6 perpared 8/25//09	/100 mL DI H2O	=>	0.1ppb	Cr+6
1mL	1000ppb	Cr+6 perpared 8-25-09 ICV	/100 mL DI H2O	=>	10ppb	Cr+6 ICV

LCS/LCSD

0.25mL	1000ppb	Cr+6 perpared 8/25//09	/25 mL DI H2O	=>	10ppb	Cr+6

MS/MSD

0.25mL	1000ppb	Cr+6 perpared 8/25//09	/25 mL sample	=>	10ppb	Cr+6

All standards expire: 08/26/09

08/25/06
P.O

Sulfite STD

Primary STD for Sulfite:

① Sodium Sulfite Anhydrous from Mallinckrodt
Lot # 8064 KEAZ P.O 08/25/06
Weight 1.5742 g of ~~Na_2SO_3~~ Na_2SO_3 dilute to 1000 ml/D_2H_2O → 1000 ppm Sulfite

② Second Source STD 1000 ppm
Lot # H37338
Weight 1.5742 g of Na_2SO_3 from J.T. Baker → 1 L with D_2 Water → 1000 ppm SO_3

	Working STD:	Volume of stock	Final Volume
ICal 8	100 ppm	10 ml	100 ml
ICal 7	50 ppm	5.0 ml	100 ml
ICal 6	25 ppm	2.5 ml	100 ml
ICal 5	10 ppm	1.0 ml	100 ml

Standards Prep Log Book# 53 page# 031

P.D	Working STD	Volume of Stock	final Volume
08/25/09	ICal 4 5 ppm	0.5ml	1000ml
EP			~~100~~ ml 50ml
08/26/09	ICal 3 2.5 ppm	5ml of ICal 6	P.D 08/25/09 ~~100~~ ml 50ml
	ICal 2 1.0 ppm	5ml of ICal 5	
	ICal 1 0.5 ppm	5ml of ICal 4	~~10~~ 50ml

P.D 08/25/09

ICV. ~~25~~ 25ml of 1000ppm ICV STD → 100ml / DI H2O
give 25 ppm SO3

CCV 2.5ml of STOCK 1000ppm STD Primary Source
→ 100ml with D2 H2O → 25 ppm SO3

PCG 8/26/09

Standards for Ferrous Iron

Ferrous Iron Standard Solution, 200µg/mL: Add 10mL conc.H_2SO_4 (G35026 JT Baker) to 50mL DI and dissolve 0.702gm Ferrous Ammonium Sulfate (EM Science Lot 40188002.) Dilute to a final volume of 500mL. (Solution is stable for 7 days)

0.25mL X 200mg Fe^{+2} (8/25609) / 50mL DI	1.0mg / Fe^{+2}
0.50mL X	2.0mg / Fe^{+2}
1.00mL X	4.0mg / Fe^{+2}
1.25mL X	5.0mg / Fe^{+2}
2.50mL X	10.0mg / Fe^{+2}

ICV 200µg/mL: Add 10mL of conc. H_2SO_4 (G35026 JT Baker) to 50mL DI And dissolve 0.702gm Ferrous Ammonium Sulfate (5064KBJZ Mallinckrodt) and Dilute to final volume of 500mL DI
(This solution is good for 7 days)

ICV / LCS MS Working solution: 750µL X 200ug/L Fe^{+2} (8/26/09) / 50mL DI 3.0µg/L Fe^{+2}
ICV / LCS working solution made fresh daily

8-27-09 CK

EPA 218.6 Cr^{+6}
1ml x 100ppm Cr^{+6} (8-10-09) → 1000 ppb Cr^{+6}
1ml x 1000 ppb Cr^{+6} (8-27-09

CK (4) 8-27-09

Book Edit 10/27/09

09/24/09
Prepared CCV. LCS as in page #29 (08/25/09) for Zcal # 6 = CCV. and LCS

09/25/09
Prepared CCV LCS as in page #29 (08/25/09) for ~~Zcal # 6~~ Zcal #6 = CCV and LCS pp 09/25/09

09/29/09
Prepared CCV. LCS as in page #29 (08/25/09)
Zcal #6 = LCS and CCV,
Zcal #7 = CCV2

09/30/09 Prepared CCV. LCS as in page #29 (08/25/09)
Zcal #6 = LCS and CCV,
Zcal #7 = CCV2

10/01/09 Prepared CCV. LCS as in page #29 (09/25/09)
Zcal #6 = LCS, CCV,
Zcal #7 = CCV2

60

DIONEX 300

Standard and Reagent Logbook

Date	Preparation	Exp. date	Tech.
09/17/09	Prepared CCV. LCS, MS as in Page # 44 and # 45 (06/16/09)	09/18/09	P.D
p.n. 09/18/09 18			
09/20/09	Prepared CCV. LCS as in page # 44 and # 45 (06/16/09)	09/19/09	P.D
09/21/09	Prepared CCV. LCS, MS as in page # 44 and # 45 (06/16/09)	09/22/09	P.D
09/22/09	Prepared CCV. LCS, MS as in Page # 44 and # 45 (06/16/09)	09/23/09	P.D
09/23/09	Prepared CCV. LCS, MS as in Page # 44 and # 45 (06/16/09)	09/24/09	P.D

P.D

Anions Spiking Solution A - 300.0			
The following solutions are combined in a 40ml VOA vial			
5ml	5000ppm	Cl-	O2S1 1015261-23942(EXP.09/05/10)
5ml	1000ppm	F-	Ultra Scientific k00090-24537 (EXP 02/28/13)
5ml	1000ppm	NO2-N	O2SI 1015271-23940(EXP.09/06/10)
5ml	1000ppm	Br	Ultra Scientific J00147-22148(EXP.03/31/11)
5ml	1000ppm	NO3-N	Ultra Scientific G00960-20932 (exp. 01/31/10)
5ml	5000ppm	SO4	Ultra Scientific J00570-22190(exp.11/30/10)

Anions Spiking Solution B - 300.0			
	1000ppm	PO4	Ultra Scientific H00720-21409 (exp 10-30-10)

Laboratory Control Spike and Matrix Spike
In to 25ml volumetric flask add 750 ul Anions spiking solution A + 383 ul Anions Spiking Solution B and bring to volume with DI H20 (For LCS/LCSD) or Sample (for MS/MSD)

LCS/MS Spike Concentrations (ppm)	
F-	5 PPM
NO2-N	5 PPM
NO3-N	5 PPM
Br	5 PPM
PO4-P	5 PPM
Cl-	25 PPM
SO4	25 PPM

DIONEX 300

Standard and Reagent Logbook

Date	Preparation	Exp. date	Tech
09/24/09	P.D		

Anions -300.0

Working Standards

Autocal 7

1mL	5000ppm	Cl-	O2SI	1015261-23942	EXP(09-05-10)
0.5mL	1000ppm	F-	O2SI	062002-01-01	EXP(09/01/10)
0.5mL	1000ppm	NO2-N	O2SI	1015271-23940	EXP(09/06/10)
2.5mL	1000ppm	Br-	Ultra Scientific	J00147-22148	EXP(03/31/11)
1mL	1000ppm	NO3-N	Ultra Scientific	G00960-20932	Exp.(01/31/10)
3.06mL	1000ppm	PO4	O2SI	1015272-23941	EXP(09/06/10)
1ml	5000ppm	SO4-2	Ultra Scientific	J00570-22190	EXP(11/30/10)

Into 100 mL DI water

=> 5 ppm F-, NO2-N, 10 ppm NO3-N, PO4-P, 25 ppm Br-, 50ppm Cl-, SO4-2

Autocal 6

50mL Autocal 7 brought up to 100 mL DI water

=>2.5 ppm F-, NO2-N, 5 ppm NO3-N, PO4-P, 12.5 ppm Br-, 25 ppm Cl-, SO4-2

Autocal 5

20mL Autocal 6 brought up to 50 mL DI water

=> 1 ppm F-, NO2-N, 2 ppm NO3-N, PO4-P, 5 ppm Br-, 10ppm Cl-, SO4-2

Autocal 4

25mL Autocal 5 brought up to 50 mL DI water

=> 0.5 ppm F-, NO2-N, 1 ppm NO3-N, PO4-P, 2.5 ppm Br-, 5ppm Cl-, SO4-2

Autocal 3

25mL Autocal 4 brought up to 50 mL DI water

=> 0.25ppm F-, NO2-N, 0.5 ppm NO3-N, PO4-P, 1.25ppm Br-, 2.5ppm Cl-, SO4-2

Autocal 2

10.0mL Autocal 3 brought up to 25mL DI water

=> 0.1ppm F-, NO2-N, 0.2 ppm NO3-N, PO4-P, 0.5ppm Br-, 1.0ppm Cl-, SO4-2

Autocal 1

12.5mL Autocal 2 brought up to 25mL DI water

=> 0.05ppm F-, NO2-N, 0.1 ppm NO3-N, PO4-P, 0.25ppm Br-, 0.5ppm Cl-, SO4-2

ICV

0.50mL	1000ppm	Cl-	CPI081059-23009	(EXP04/08/10)
0.25mL	1000ppm	F-	CPI 08F160-23007	EXP(04/08/10)
0.25mL	1000ppm	NO2-N	CPI 08I180-23010	EXP (04/08/10)
0.50mL	1000ppm	Br- ICV	CPI 08I292-23006	EXP(04/08/10)
0.25ml	1000ppm	NO3-N	CPI 08C160-23008	EXP (04/08/10)
0.25mL	1000ppm	PO4-P	CPI 08A156-22539	EXP(11/30/10)
0.50mL	1000ppm	SO4-2	CPI 081062-23005	EXP(04/08/10)

brought up to 100mL DI water

=> 2.5 ppm F-, NO2-N, NO3-N, PO4-P, Br-, 5ppm Cl-, SO4-2

DIONEX 300

Standard and Reagent Log Book

Date	Preparation	Exp date	Tech
09/24/09	Prepared CCV. LCS, MS as in page #50 and #51	09/25/09	P.D
09/25/09	Prepared CCV. LCS MS as in page #50 and #51	09/26/09	P.D
09/28/09	Prepared Working STD. CCV. LCS 2 W MS as in page #50 and #51	09/29/09	P.D
09/29/09	Prepared CCV. LCS, MS as in page #50 and #51	09/30/09	P.D
09/30/09	Prepared CCV. LCS MS as in page #50 and #51	10/01/09	P.D
10/01/09	Prepared CCV. LCS, MS as in page #50 and #51	10/02/09	P.D.
10/02/09	Prepared CCV. LCS, MS as in page #50 and #51	10/03/09	P.D
10/05/09	prepared CCV LCS MS as in page #50 and #51	10/06/09	P.D.

MultiLevel Quality Control Sign Off

ARF or QCG: 59824 & 300W803 Rev:17

SAMPLE PREPARATION Extraction/Digestion/Preparation according to SOP#: 300.0 / Sulfite

Sample container labels checked at all stages:	Yes:	✓	No:		NA:	
Sample preservation acceptable:	Yes:	✓	No:		NA:	
Proper number of QC samples performed per method:	Yes:	✓	No:		NA:	
Were soil samples corrected for % Moisture: (or Encores)	Yes:		No:		NA:	✓
Brought to final volume and labeled properly:	Yes:	✓	No:		NA:	
Deviations to any of the above items:	Yes:		No:	✓	NA:	

Name of technician(s)/Date: P.D 10/07/09
Name of reviewer/Date: Elan Ashmore 10-7-09
Comments:
Sample collection date 0:00. Hold time NA.

INSTRUMENTATION LABORATORY Samples analyzed according to SOP #: 300.0 / Sulfite

Checked entire ARF for specific reporting requirements:	Yes:	✓	No:		NA:	
Initial calibration in control:	Yes:	✓	No:		NA:	
Second source calibrations in control:	Yes:	✓	No:		NA:	
Tune within control:	Yes:		No:		NA:	✓
Method blank/calibration blank passes:	Yes:	✓	No:		NA:	
Surrogate(s) passes:	Yes:	✓	No:		NA:	✓
Algorithm checked: Data File: 9/28/09 LCS run #5	Yes:	✓	No:		NA:	
Are soil samples corrected for % Moisture:	Yes:		No:		NA:	✓
Manual integration 2nd level review:	Yes:		No:	✓	NA:	✓
Deviations to any of the above items:	Yes:		No:		NA:	✓

Name of analyst(s)/Date: P.D 10/07/09
Name of data entry/Date: P.D 10/07/09
Name of reviewer/Date: Elan Ashmore 10-7-09
Comments:
Samples run @ 1-5 dilution b/c Matrix.

Is a QCN needed for the above failure? Yes No NA

APPL, Inc.
Analysis listing Dionex
08/25/09

Injection:	Sample Name:	Date Time Collected:
12	sulfite090825AICAL#1	8/25/2009 12:26
13	sulfite090825AICAL#2	8/25/2009 12:41
14	sulfite090825AICAL#3	8/25/2009 12:57
15	sulfite090825AICAL#4	8/25/2009 13:12
16	sulfite090825AICAL#5	8/25/2009 13:28
17	sulfite090825AICAL#6	8/25/2009 13:43
18	sulfite090825AICAL#7	8/25/2009 13:59
22	sulfite 090825 icb	8/25/2009 15:12
23	sulfite 090825 icv 25.0PPM	8/25/2009 15:28
25	sulfite 090825 ccb	8/25/2009 16:09
26	sulfite 090825 CCV 25.00PPM	8/25/2009 16:24

APPL, Inc.
Analysis listing Dionex
09/24/09

Injection:	Sample Name:	Date Time Collected:
2	090924A CCV	9/24/2009 8:55
3	090924A CCB	9/24/2009 9:11
4	090924A LCS	9/24/2009 9:28
13	090924A sulfite CCV	9/24/2009 11:58
14	090924A sulfite lcs	9/24/2009 12:14
15	090924A 300 CCV	9/24/2009 12:30
16	090924A 300/ sulfite CCB	9/24/2009 12:46
17	AY03948W01 1/5	9/24/2009 13:08
18	AY03949W01 1/5	9/24/2009 13:23
19	AY03950W01 1/5	9/24/2009 13:39
20	AY03951W01 1/5	9/24/2009 13:55
21	AY03952W01 1/5	9/24/2009 14:11
22	AY03953W01 1/5	9/24/2009 14:26
23	AY03954W01 1/5	9/24/2009 14:42
24	AY03955W01 1/5	9/24/2009 14:58
25	AY03956W01 1/5	9/24/2009 15:13
26	AY03957W01 1/5	9/24/2009 15:29
27	090924A sulfite CCV	9/24/2009 15:45
28	090924A 300 CCV	9/24/2009 16:01
29	090924A 300/ sulfite CCB	9/24/2009 16:16

APPL, Inc.
Analysis listing Dionex
09/25/09

Injection:	Sample Name:	Date Time Collected:
2	090925A sulfite CCV	09/25/09 8:12
3	090925A sulfite lcs	09/25/09 8:28
4	090925A 300 CCV	09/25/09 8:43
5	090925A 300 lcs	09/25/09 8:59
7	090925A 300/ sulfite CCB	09/25/09 9:32
9	AY03958W01 1/5	09/25/09 10:04
10	AY03959W01 1/5	09/25/09 10:20
11	AY03960W01 1/5	09/25/09 10:36
12	AY03961W01 1/5	09/25/09 10:53
13	AY03962W01 1/5	09/25/09 11:09
14	AY03963W01 1/5	09/25/09 11:25
15	AY03964W01 1/5	09/25/09 11:41
16	AY03965W01 1/5	09/25/09 11:57
17	AY03966W01 1/5	09/25/09 12:13
18	AY03967W01 1/5	09/25/09 12:29
19	090925a 300 ccv	09/25/09 12:45
20	090925A sulfite ccv	09/25/09 13:02
21	090925A 300/ sulfite CCB	09/25/09 13:18

300/9056 Injection Log

Directory: I:\Dionex\D1Anions\data\

RunID	Injected		Sample Name	Misc Info	FileName	Multiplier
9	28 Sep 2009	13:25	090928AICAL#1		090928a	1.
10	28 Sep 2009	13:42	090928AICAL#2		090928a	1.
11	28 Sep 2009	13:58	090928AICAL#3		090928a	1.
12	28 Sep 2009	14:15	090928AICAL#4		090928a	1.
13	28 Sep 2009	14:31	090928AICAL#5		090928a	1.
14	28 Sep 2009	14:48	090928AICAL#6		090928a	1.
16	28 Sep 2009	15:21	090928AICAL#7		090928a	1.
19	28 Sep 2009	16:22	090928A ICV		090928a	1.
20	28 Sep 2009	16:38	090928A ICB		090928a	1.
21	28 Sep 2009	16:55	090928A CCV		090928a	1.
22	28 Sep 2009	17:11	090928A CCB		090928a	1.

APPL, Inc.
Analysis listing Dionex
09/29/09

Injection:	Sample Name:	Date Time Collected:
2	090929A SULFITE CCV	9/29/09 07:51
3	090929A SULFITE LCS	9/29/09 08:07
4	090929A CCV	9/29/09 08:22
5	090929A LCS	9/29/09 08:39
6	090929A SULFITE/300 CCB	9/29/09 08:56
8	AY03968W01 1/5	9/29/09 09:28
9	AY03969W01 1/5	9/29/09 09:45
10	AY03970W01 1/5	9/29/09 10:01
11	AY03971W01 1/5	9/29/09 10:18
12	AY03972W01 1/5	9/29/09 10:34
13	AY03973W01 1/5	9/29/09 10:51
14	AY03974W01 1/5	9/29/09 11:07
15	AY03975W01 1/5	9/29/09 11:23
16	AY03976W01 1/5	9/29/09 11:40
17	AY03977W01 1/5	9/29/09 12:09
18	090929A SULFITE CCV	9/29/09 12:25
19	090929A 300 CCV	9/29/09 12:41
20	090929A SULFITE/300 CCB	9/29/09 12:58
25	AY03978W01 1/5	9/29/09 14:39
26	AY03979W01 1/5	9/29/09 14:56
27	AY03980W01 1/5	9/29/09 15:12
28	090929A SULFITE CCV	9/29/09 15:38
63	090929A SULFITE/300 CCB	9/30/09 07:47
64	090929A 300 ccv	9/30/09 08:04

APPL, Inc.
Analysis listing Dionex
09/30/09

Injection:	Sample Name:	Date Time Collected:
2	090930A SULFITE CCV	09/30/09 10:56
3	090930A SULFITE LCS	09/30/09 11:12
4	090930A 300 CCV	09/30/09 11:27
5	090930A 300 LCS	09/30/09 11:44
6	090930A SULFITE/300 CCB	09/30/09 12:01
8	AY03981W01 1/5	09/30/09 12:33
9	AY03982W01 1/5	09/30/09 12:50
11	AY03983W01 1/5	09/30/09 14:52
12	AY03984W01 1/5	09/30/09 15:09
14	090930A CCV	09/30/09 15:42
16	090930A SULFITE/300 CCB	09/30/09 16:14
19	090930A SULFITE CCV	09/30/09 17:13
81	090929A 300 CCV	10/01/09 11:43
82	090929A 300 lcs	10/01/09 12:00
83	091001A SULFITE CCV	10/01/09 12:22
84	090929A SULFITE/300 CCB	10/01/09 12:37
85	091001A SULFITE LCS	10/01/09 12:53
86	AY03985W01 1/5	10/01/09 13:09
87	AY03986W01 1/5	10/01/09 13:25
88	AY03987W01 1/5	10/01/09 13:42
89	AY03988W01 1/5	10/01/09 13:58
90	AY03989W01 1/5	10/01/09 14:15
91	AY03990W01 1/5	10/01/09 14:31
92	AY03991W01 1/5	10/01/09 14:47
93	AY03992W01 1/5	10/01/09 15:04
94	AY03993W01 1/5	10/01/09 15:20
95	AY03994W01 1/5	10/01/09 15:37
96	091001A SULFITE CCV	10/01/09 15:53
97	090929A 300 CCV	10/01/09 16:09
98	091001A SULFITE/300 CCB	10/01/09 16:26
99	AY03995W01 1/5	10/01/09 16:42
100	091001A SULFITE CCV	10/01/09 16:58
101	091001A SULFITE/300 CCB	10/01/09 17:14
109	091001A 300 CCV	10/01/09 19:26